

Bulletin

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University of Toronto

Monday, January 21, 1980

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Improve your telephone communication skills

The Employment and Staff Development section of Personnel is presenting a workshop for staff who are responsible for handling many telephone calls as part of their daily routine assignments. Participants will analyze their own approach and develop and practise new "telephone communication skills".

The workshop will be offered in February. A fee of \$10 will be charged.

For further information, and application forms, please call 978-6496.

Science week at Erindale College

A week of special lectures, demonstrations and displays highlighting science research at Erindale College will be held Jan. 28 to Feb. 1 at the Mississauga campus. Included in the activities planned are an open house in the electron microscopy suite and tours of the lunar laboratories. More information can be obtained from Professor Jutta Reed at 828-5323.

Frye to deliver Larkin-Stuart lectures

Professor Northrop Frye will give a series of three lectures, titled "Creation and Re-Creation", in the auditorium of the Faculty of Education, on Jan. 30, 31 and Feb. 1 at 8 p.m. Sponsored jointly by St. Thomas's Anglican Church and Trinity College, under the Larkin-Stuart lectureship, the lectures are free. Tickets may be obtained from the Office of Convocation, Trinity College, telephone 978-2651.

Professor Frye's series of Larkin-Stuart lectures is based on his work-in-progress, *The Great Code: A Study of Narrative and Imagery in the Bible*, and will examine the relation of the Bible to western culture.



Tribute to a scholar Donald Grant Creighton Professor Emeritus of History

12.30 p.m.
Wednesday, January 30, 1980

Convocation Hall
University of Toronto

Strangway to be next Provost

President Ham announces at Governing Council



David W. Strangway, chairman of the Department of Geology, has been appointed Vice-President and Provost for a four-year term beginning July 1, 1980, President James Ham announced at Governing Council Jan. 17.

Professor Strangway, a native of Simcoe, Ont., and U of T graduate, received his BA in 1956, MA in 1958 and PhD in 1960. From 1961 to '64 he was assistant professor in the geology department at the University of Colorado, and from 1965 to '68 was assistant professor, geophysics at the Massachusetts Institute of Technology. He returned to U of T in 1968 as associate professor, physics, and was appointed full professor in 1971. The

following year he became chairman of the Department of Geology.

He has been active internationally as chief of the Geophysics Branch, NASA, at the Johnson Space Center, and as interim director of the Lunar Science Institute, Houston.

He is a fellow of the Royal Astronomical Society, and a member of the American Geophysical Union, the Society of Exploration Geophysicists, the American Association for the Advancement of Science, and other geophysical and geological societies.

"I'm looking forward to the challenge of the job, in what are obviously difficult

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'Terminate agreement with OISE'

Mettrick review favours OISE's total integration with U of T

"The University should seek a new relationship with the Ontario Institute for Studies in Education (OISE)" says the recently released report of the task group reviewing the relationship between the two institutions. To do so, the University should issue, before June 30, 1980, a clear, unconditional notice to terminate the agreement of affiliation effective June 30, 1981.

While the present arrangement between U of T and OISE is unmanageable, says the report, complete disaffiliation would not be in the best interests of either.

The task group, headed by zoology department chairman David Mettrick, was established in July by Vice-President and Provost D.A. Chant at the instigation of the School of Graduate Studies (SGS).

Tensions have existed between OISE and SGS over admission requirements, academic appointments, graduate student supervision, program duplica-

tion, remuneration for administrative services, the rigour of PhD oral examinations, and perceptions about the level of quality of OISE programs.

If notice is served by the University, OISE will have to decide whether it would prefer disaffiliation or some form of association. The report sets out a spectrum of five possible relationships, along with their respective merits, shortcomings, and methods of implementation. These possibilities range from disaffiliation to total integration of OISE into the University's Faculty of Education (FEUT).

Should agreement be reached between OISE and U of T, they would jointly approach the government for any necessary legislative or executive action.

The Institute was established in 1965 by Premier William Davis, then minister of education, and that ministry continues to depend on it for research studies and contract work relating to education.

OISE was not given degree-granting authority; instead, members of the faculty of OISE were, under the agreement with U of T, cross-appointed to SGS in the Department of Educational Theory. Disaffiliation would therefore mean that the constitution of OISE would have to be amended in the Ontario legislature, or OISE would need to affiliate with another university. In either case, U of T could retain its own graduate degree program in education.

The government has indicated, in a letter to Professor Mettrick from the Premier's office, that "a proliferation of degree-granting institutions" would not be "in the interests of education in Ontario". The letter adds that "it is an important asset to every OISE graduate to hold a U of T degree".

The report, while not recommending any particular model, clearly points out that closer relationships between OISE and the University in general, and FEUT in particular, are desirable to all parties concerned.

In the case of total integration "the Institute would cease to exist as an independent entity," says the report.

"An enlarged Faculty of Education would be responsible for undergraduate and graduate degrees in education, for in-service training, and for specialist certification.

"The Institute's Board of Governors would disappear, but the interest groups represented on it could be included in an enlarged Faculty Council.

"Provincial funding for graduate students in education would go to the University, and the new Faculty of Education would apply, like other divisions of the University, for an appropriate allocation of funds.

"If this model were implemented, arrangements satisfactory to U of T would have to be made with the provincial government for the use and financing of the Institute's present building."

In all models in which OISE remains affiliated with the University there is provision for the separation of the professional MEd and EdD degrees from the

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Pitt, Leyerle unhappy with models of affiliation set out by task group

By Pamela Cornell

"The University shouldn't divorce us, then try to work out a remarriage," says Clifford Pitt, director of the Ontario Institute for Studies in Education. "Surely it would make more sense to try marital counselling before severing the ties."

Pitt objects strongly to a recommendation that the University issue, before June 30, 1980, a clear, unconditional notice to terminate the agreement of affiliation effective June 30, 1981. That recommendation is made in the recently released report of the University task group reviewing the relationship between OISE and U of T. (See story above.)

"Of course, the University has the legal right to issue such notice," he says, but adds that the recommendation caused several of OISE's board members to question the good faith of the task group.

He also criticizes the report for being

concerned disproportionately with graduate studies programs at OISE at the expense of giving adequate consideration to the Institute's mandate in the realms of field work and research and development in education. Those aspects of OISE's work could not be handled adequately within the University if the two institutions were to be integrated and would suffer in times of economic stress, he says. Total and partial integration were two possibilities suggested in the report.

"We handle about \$3 million in contract studies each year for organizations ranging from the Hospital for Sick Children to Canadian University Services Overseas (CUSO) so we've built up considerable managerial resources. Our overhead allowance is considerably

academic MA and PhD degrees. Control over the MEd and EdD degrees would be entirely given over to the reconstituted Faculty of Education. Responsibility for these degrees would rest with the Faculty Council, reporting to the University's Governing Council. The School of Graduate Studies would play no part in admissions, faculty appointments, course approvals, or thesis examinations for these degrees.

However, the MA and PhD degrees in educational fields would be entirely under the close control of SGS. This control could be exercised by abolishing the existing graduate department of educational theory. A student wishing to enrol in an MA or PhD program in the history of education, for example, would apply to the history department.

"This model is based on the pattern of education degrees at Harvard University," says the report, adding that the chief merit is the union of undergraduate and postgraduate studies in education because both currently "lack the breadth to achieve true greatness.

"In any discussions on the future relationship between OISE and the University, the academic needs of FEUT should be recognized as being of equal importance to those of OISE."

The report suggests FEUT's two schools — the University of Toronto Schools (UTS) and the Institute of Child Study (ICS) — should be associated with the University division responsible for educational research.

The second mode of relationship outlined by the task group is partial integration of OISE into FEUT. The two would be amalgamated under a single council with OISE's Board of Governors being abolished, but with the identity of the Institute being preserved.

A new division of the University would be created, to be called a School of

Education, with a School Council responsible directly to U of T's Governing Council. There would be a single principal of the School, but within the School, there would be two divisions: undergraduate education under a dean, and OISE under a director. Each division would have its own council or board responsible to the council of the School.

The separation of MEd and EdD degrees from MAs and PhDs would apply as in the total integration model. Control over admissions, courses, faculty appointments, and examinations would rest with the Council of the School of Education, though it might delegate that authority to the two divisions.

"The running of the Institute would continue without appearance of change," says the report. "The use of the building would be expected to continue and the director would continue in office with the same title.

Under the task group's third proposal, OISE would continue, as at present, without any formal association with FEUT. However, MEd and EdD degrees would again be separated from MAs and PhDs.

"This model would do nothing to improve the relationship between undergraduate and postgraduate training in education . . . but . . . is very easy to implement, has no adverse financial implications for the University, and would solve all the pressing problems that led to the appointment of this committee," says the report.

The fourth suggested option would be to maintain the status quo with minor administrative changes such as "the creation of a fifth division within SGS, dispersal of OISE's sub-departments among existing SGS divisions, the appointment of a second associate dean for Division II (the one responsible for OISE), and the 'tightening up' of existing

procedures, with possible formation of yet further committees and subcommittees".

This approach, says the report, "is likely only to transfer the scene of the present battles" and the tightening up of existing procedures would probably only produce "further expenditure of energy and talents on both sides that could be put to much better use".

The fifth option, complete disaffiliation, would force the University to consider developing research programs within FEUT, less economical, says the report, than using OISE's resources.

Underlying many of the difficulties existing between OISE and SGS is the sheer number of students involved, creating a problem of balance within SGS in terms of academic management and different philosophical goals. For example, educational theory, with 2,500 students, is the single largest graduate unit in the University and is the second largest graduate program in the province. This means there are more graduate students in OISE than in the combined graduate departments of any other university in Ontario.

Serious differences between general admission requirements for SGS and those for OISE have been among the University's concerns. By equating professional experience and study with academic research experience, OISE admits into its master's level programs persons with three-year BA degrees, and into its doctoral programs persons with a B standing in a four-year baccalaureate degree, essentially the same requirement as for a general admission to a master's level program in SGS.

The qualifications of some faculty members on contractually-limited term appointments at OISE have been questioned by SGS. The Institute offers an extensive range of graduate courses yet few of its permanent staff are expected to teach more than one full course a year due to contract research and field work commitments. So in the current academic year, OISE asked SGS to approve one-year appointments for 150 additional persons to teach courses listed in the calendar. Of this number, 35 were students at OISE.

That same pressure of numbers, says the report, raises questions about the adequacy of supervision available to individual students, particularly in applied psychology at OISE.

"Students admitted to the PhD stream without prior academic research experience should expect to have close-to-hand and rigorous supervision, especially in the early stages of their programs."

The rigour of PhD final oral exams for OISE students was thrown into doubt by the following types of incidents recounted to the task group.

• Potential external and/or non-departmental University examiners being approached informally for their views of a thesis before the final examination committee membership list is sent to SGS for approval; potential examiners expressing negative views discover they have been supplanted on the final list.

• Examinations during which there are informal indications that an external or non-departmental examiner may cast a negative vote have been adjourned, to be reconvened later without the participation of that examiner.

• Following the adjournment of an examination, non-departmental or external examiners have been subject to "pressure" to vote for approval of the thesis.

• Certain examinations, rather than challenging the candidate, have turned into debates between the departmental representatives and the external or non-departmental examiner.

• Certain examinations have been characterized by excessive "chumminess" or have otherwise appeared to be perfunctory exercises.

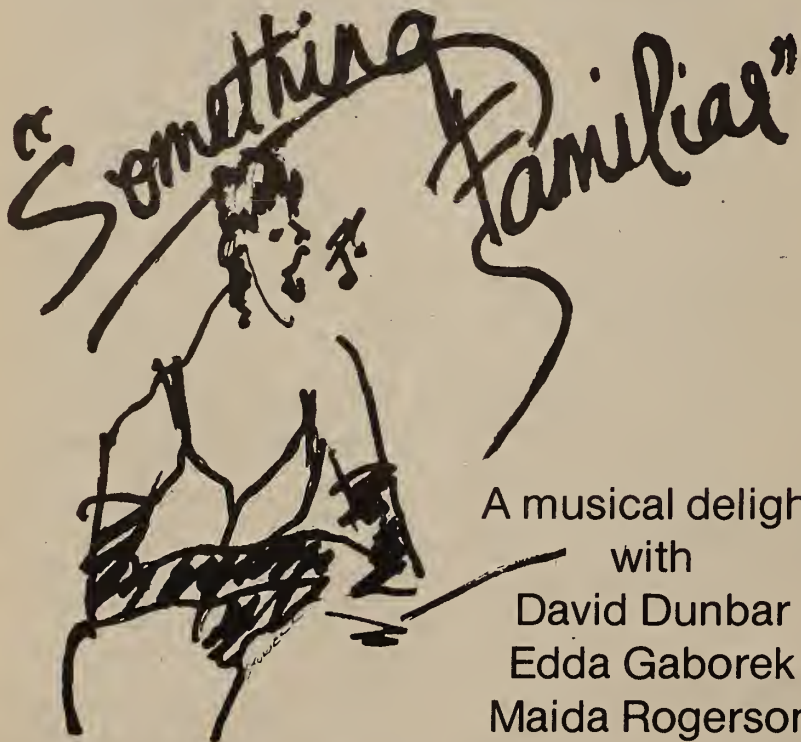
Though few in number, these instances "devalue the reputation of the PhD. . ."

While fully supporting the important role of applied research in the University, the report is critical of the priority given to applied research *vis-à-vis* other priorities of OISE, the isolation of the undergraduate program in education in FEUT and the resulting philosophical differences in approach to educational theory by OISE and the lack of programmatic relationships with cognate disciplines within the University.

The report points out that "the University is dealing with a second independent body, and the Governing Council of the University has no power to dissolve or reconstitute the Ontario Institute for Studies in Education. Reconstitution of studies in education, along the lines discussed in this report, requires negotiation between the University and an independent outside body."

"The problems are pressing," says the report, "and we do not think they can simply be referred to another committee for further inconclusive discussion . . . The University is not likely for many years again to be in a position, as it is now, to serve a notice of disaffiliation after all parties have had every opportunity to express their points of view . . . The University must seek a new contract if its association with OISE is to continue. . . . We hope this action will not mark the end, but the renewal and reinvigoration of studies in education and educational research at every level within this University."

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lower than the University's, too. I understand that when U of T gets a research and development contract, it tries to get an overhead allowance of about 48 percent. We charge as little as five percent, to the Ministry of Education, and no more than 25 percent to others."

The day before OISE was established, says Pitt, "there were only two-and-a-half full-time faculty members working in graduate studies at the University's Faculty of Education." That's how involved U of T was in graduate education studies, he says, and at the time, that had to serve the whole anglophone educational community in Ontario.

"Now, 14½ years later, OISE has built up a national and international reputation and I'm convinced that one of the reasons it developed so fast and so well is because of the degree of independence it has had."

Pitt praises the task group's report for clearing up some misconceptions about OISE — for example, about the extent to which lowered admission standards have been used — as well as for pointing out some problems — such as the high number of "As" given at the Institute.

While he agrees with the report's suggestion that OISE and FEUT would both benefit from a closer relationship, he does not favour any of the report's models that would provide for that because, he says, they "would wipe out OISE as it is now".

Instead, he favours some form of the model based on last year's agreement between the University and the Toronto School of Theology (TST). Under that proposal, OISE would continue as at present except that MA and PhD degrees in educational fields would be entirely under the close control of the University's School of Graduate Studies while OISE would control only the MEd and EdD degrees.

"The report recognizes our quality and integrity in entrusting us with the MEds and EdDs," says Pitt, "but we feel very strongly that MAs and PhDs in educational theory should be administered by our department of educational theory rather than by cognate departments throughout the University. That approach would be inconsistent with the report's statement that education is a discipline in its own right."

John Leyerle, dean of the School of Graduate Studies, agrees that responsibility for MAs and PhDs in educational theory should not be dispersed. He says the departments should not be burdened

with promoting educational theory along with their respective disciplines. However, he is opposed to the MEd and EdD degrees being detached from SGS.

"Last year's agreement between U of T and the Toronto School of Theology set a dangerous precedent," says Leyerle. "The University now rubber stamps theology degrees it doesn't even administer."

If MEd and EdD programs are divorced from the research experience of SGS, says Leyerle, they would amount to little more than technical training.

"Their quality and intellectual rigour would be jeopardized and that wouldn't be appropriate to graduate education at all. It would amount to setting up a two-tiered graduate degree system."

"As dean of SGS, I want to inject a greater research element into graduate degree programs, especially at the doctoral level. I don't want to see professional degrees condemned to second-class status."

"I'm engaged in reconstituting graduate studies as an intellectual ornament and strength of this University. If the senior administration wants to start chipping away at that, they can find themselves someone else to administer the graduate school."

He thinks OISE should explore the mandate, given under its charter, to affiliate with several Ontario universities simultaneously. Under those circumstances, he would like to see U of T negotiate "something smaller and more manageable" than its present relationship with OISE.

Commenting on a letter to the task group, from the secretary of the Ontario cabinet, which stated that "it is an important asset to every OISE graduate to hold a U of T degree", Leyerle says the University should not be afraid to disagree with politicians.

"That letter should be regarded as just another document in the pile. Queen's Park started this whole mess by establishing OISE in the first place. Now a minority Conservative government hopes that if they send a cautionary letter, we'll do as we're told and the issue won't come up in the legislature where they'd have to take a lot of flak from the opposition. Well, it's not the University's responsibility to bail out the government."

Leyerle praised the task group for listening attentively to presentations from the various constituencies, picking up the main points and nuances, and doing "a superb job of marshalling the back-ground".

New element analysis instrument to aid in projects from senility to acid rain

Professor Jon Van Loon has received a \$170,520 major equipment grant for an instrument that will analyze elements, such as lead, in substances ranging from fish flesh to street dust. Because the instrument will serve as a teaching and research tool in the crucial field of environmental toxicology, the award was made by the strategic grants committee of the Natural Sciences & Engineering Research Council (NSERC).

An analytical geochemist, Van Loon applied for the grant with four colleagues: Professor Pamela Stokes, associate director of the Institute for Environmental Studies; Professor T.C. Hutchinson, chairman of the botany department; physiologist Dr. D.R. McLachlan; and pharmacologist Werner Kalow. All are members of the persistent substances working group at the Institute for Environmental Studies.

Known as an inductively-coupled plasma emission spectrograph, the new element analysis instrument will help Dr. McLachlan examine the role of aluminum in senile dementia. (Levels of aluminum have been shown to be elevated in persons who have undergone dialysis).

Dr. Kalow wants the spectrograph to screen urine samples for about 20 different elements at a time. The present screening method — atomic absorption spectroscopy — can only analyze one element at a time; this new one can handle up to 30 simultaneously.

Professors Hutchinson, Stokes, and Van Loon are all doing work related to acid rain. They'll be using the spectrograph to study interactions of metals in terrestrial and aquatic ecosystems.

Hutchinson is studying the effects of metals on the decomposition that keeps a forest floor biologically active. He is also investigating metal-tolerant grasses with a view to revegetating extensive slag heap areas around Sudbury as well as the "smoking hills" area of the Arctic where lignite, burning since the last century, has produced natural metal-acid pollution.

Stokes is looking at the effects of acid-metal relationships on the production of algae in lakes.

Van Loon will be analyzing air and fish for lead compounds spewed into the environment by automobile exhaust and also for the manganese compound added to lead-free gasoline.

How does an inductively-coupled plasma emission spectrograph work? Here is an example. Van Loon could dissolve a piece of fish flesh in acid and dilute the substance in water. This substance would then be transported into the machine's "plasma" — argon gas heated to a temperature of about 10,000 degrees Kelvin (zero degrees Kelvin equals -273 Celsius). The extremely high temperature virtually eliminates problems with chemical interference.

The atoms of each element give off distinctive radiation in the ultraviolet and visible spectrum which appear at specific, unchanging wave lengths. These can be read by a spectrometer. The wave lengths of most elements have been known to physicists since the mid-19th century but weren't used analytically until the 1930s.

The spectrograph is being made in California and should be installed in the basement of the Haultain Building within six months. It will be the first of its type in a Canadian university, though Van Loon estimates there might be eight to 10 of them in industry and government throughout the country.

Skilled operators are understandably scarce but Van Loon was fortunate in having a former graduate student, R.B. Cruz, who had been one of the first in Canada to use this type of spectrograph on a routine basis.

"We couldn't offer her a salary comparable to what she was earning in industry," says Van Loon, "but we could provide an opportunity for her to work on her PhD so she's agreed to come."

Governing Council election

Prospective candidates for election to the Governing Council are reminded that nominations papers must be filed by noon on Friday, January 25, 1980. Nomination forms and copies of the regulations (Election Guidelines) covering the election are available from the Governing Council Secretariat, room 106, Simcoe Hall, or the registrars' offices at Scarborough and Erindale Colleges.

There are vacancies in four teaching staff constituencies, all eight seats in the three student categories, and one seat in the administrative staff constituency.

Nominations must be signed by the following numbers of nominators:

- teaching staff, 10
- graduate students, 15
- full-time undergraduate students, 30
- part-time undergraduate students, 15
- administrative staff, 20

Present members of the Governing Council whose terms expire on June 30 next may be nominated again if they are continuing in the same constituencies for which they were elected previously. Those elected this year from the teaching staff and administrative staff constituencies will serve for three years from July 1, 1980 and from student constituencies for one year, as required by *The University of Toronto Act, 1971* as amended by 1978, Chapter 88.

Descriptions of the constituencies were published in the *Bulletin* of Jan. 7. Enquiries for further information should

be directed to the Governing Council Secretariat at 978-6576.

Election shall be by mailed ballot.

University of Toronto Scarborough College Chemistry

Assistant Professor
(tenure stream)

appointment in inorganic,
bio-inorganic or analytical
chemistry commencing
July 1, 1980.

Duties will include undergraduate teaching, graduate teaching (at the University's main campus), and research.

Send curriculum vitae including a statement of current research activity and names of three referees to:

Professor John E. Dove
Chairman
Physical Sciences Division
Scarborough College
University of Toronto
1265 Military Trail
West Hill, Ontario
M1C 1A4

Nominations for Chancellor

On behalf of the College of Electors, the chairman, Douglas Thomas, has issued a call for nominations for the position of Chancellor at the University of Toronto for a term of office commencing July 1, 1980 and ending June 30, 1983.

The present Chancellor, Dr. A.B.B. Moore, is eligible for re-election.

The Chancellor of the University is an *ex-officio* member of the Governing Council, an *ex-officio* voting member of all standing committees of the Council, and the Honorary President of the University of Toronto Alumni Association. The Chancellor is Chairman of Convocation and confers all degrees.

The University of Toronto Act, 1971, as amended by 1978, Chapter 88, stipulates that the Chancellor must be a Canadian citizen.

Necessary nomination forms and information may be obtained from the Secretary, College of Electors, room 106, Simcoe Hall. Nominations should be in the hands of the Secretary by Friday, March 28, 1980.

University of Toronto Scarborough College Mathematics

Assistant Professor
(tenure stream) appointment
commencing July 1, 1980.

Duties will include undergraduate teaching, graduate teaching (at the University's main campus), and research.

Send curriculum vitae including a statement of current research activity and names of three referees to:

Professor John E. Dove
Chairman
Physical Sciences Division
Scarborough College
University of Toronto
1265 Military trail
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Committee Highlights

The Academic Affairs Committee, at its meeting Jan. 10:

- recommended an amendment to the Recommendations of the Committee on Admissions Criteria of the Faculty of Arts & Science that would postpone the implementation of the new Grade 13 English requirement until 1982.

The postponement had been recommended by Harry Eastman, vice-president (research and planning) and registrar, at a special meeting of the Subcommittee on Admissions & Awards held Jan. 8.

The aims of the postponement, Professor Eastman wrote in a memorandum to the subcommittee, are: "to synchronize the implementation of the Faculty's new criteria with the introduction of new curricular requirements which are being introduced by the Ministry. The new curricular requirements will be in place by 1982 and will direct most students to take programs that would in principle be consistent with the Faculty's new criteria; to allow students and their counsellors sufficient time to select course programs that will satisfy the Faculty's new criteria; to provide a period of time for extensive explanation of the new criteria to Boards of Education, principals, and guidance heads; and to give Boards of Education and the Ministry time to develop Grade 13 English-as-a-second-language (ESL) courses".

The General Committee of the Faculty of Arts & Science had recommended exempting students who had studied in an English-speaking secondary school for less than four years from the new Grade 13 English requirement, and requiring them instead to pass a test of English facility.

"To exempt those students whose literacy probably is least adequate would be inconsistent with the fundamental aims of the new criteria," wrote Prof. Eastman.

By postponing implementation of the Grade 13 English requirement, Eastman says students whose native language is not English would be encouraged to take English courses during the period between the announcement of the new criteria and their implementation.

"An exemption, although students would have to take a test of English proficiency, would not provide this encouragement and would do nothing more than steer students towards the preparation for the proficiency tests. This preparation would be minimal and probably would not constitute the equivalent of a Grade 13 English credit."

A postponement would also allow boards of education to develop Grade 13 ESL courses, and so by 1982, says Eastman, few students would have to take an English proficiency test.

Research grants in international studies

Doctoral students doing research for their theses are eligible to apply for a research grant from the Centre for International Studies. The centre has limited funds available to assist students to meet research costs and awards are made for projects falling within the centre's terms of reference in both the international relations and area studies aspects of the program. Preference will be given to projects dealing with international relations and to those relating to Canada's external policies.

As an interdisciplinary body, the centre is especially interested in projects which have an interdisciplinary component. Awards are intended to facilitate research in the modern period, generally

times," Professor Strangway told the *Bulletin* after his appointment was announced.

"What I'd like to do — and Dr. Chant has done a great job of this — is to convey both to the outside community and within the University a sense that the University is a fantastic resource of people, ideas and talent."

Professor Strangway succeeds Professor D.A. Chant, who, said the President, "has served with the utmost distinction" as Vice-President and Provost for the past five years.

President's Report

President Ham told Council that against the backdrop of a 9½ percent inflation rate, the government's announced 7.22 percent increase in base formula funding means continued difficult times for the University. He reminded Council that the Ontario

interpreted to mean the 20th century; historical topics in international relations falling outside this period will, however, be eligible for consideration.

These awards are grants to assist research away from Toronto. They are not intended as substitutes for fellowship assistance. Students registered at the Ontario Institute for Studies in Education, which has its own research and fellowship funds, are ineligible to apply.

For further information and application forms contact the Centre for International Studies, room 208, Trinity College, telephone 978-3350. Deadline for applications is February 1, 1980.

Council on University Affairs (OCUA) had recommended a 9.2 percent increase, making this "the third year the government did not see fit to recognize the recommendations of its own advisory body".

As in the previous two years, 1980-81 will see a reduction in staff at a time of stable enrolment forecasts, said the President.

Concerning the 10 percent that universities will be allowed to raise tuition fees above the ministry formula, President Ham said there so far has not been any proposal from the administration, but when there is it will be brought forward to Governing Council.

He said the issue of adjustment of fees should be considered in terms of what is reasonable for students to contribute to the cost of their education in comparison to what portion the public pays.

"What fees are and ought to be" should not be tied to the immediate budgetary situation, said President Ham, "but should be a long-term question."

He said there was some concern that the 10 percent differential would create a fee "warfare" among universities.

"Perhaps that would happen if there was a 50 percent differential; my feeling is that the government won't extend the ceiling beyond 10 percent."

In response to a question from graduate student representative Thomas H. Simpson, President Ham said that if the new funds allocated to the Ontario Student Assistance Program (OSAP) to handle the increase in tuition fees were insufficient, he was sure that more funds would be provided to cover the costs. He complained, though, that the OSAP cost of living allowance had not been increased.

"System on the Brink"

Governing Council took part in a wide-ranging discussion of the University's financial problems, based on OCUA's report *System on the Brink* released last fall.

President Ham said that he doesn't quarrel with the government's objective of a balanced budget, but as a citizen is concerned about the degree of equitability with which the government "has treated its responsibilities".

He also said that we are living in times of "significant anti-intellectualism" and that, in the face of the public's attitude, "we have to have a good, clear sense of where we're at — we must promote the value of universities, and this university, and get across the message that sustaining this university is crucial to the city, industry, and this country."

"We have to reach out and re-state our case."

History professor James Conacher said he believes the University must find ways to maximize its revenue. Political pressure must be developed, and "the government appointees to Governing Council are in the best position to get the message through."

Other areas to be studied in terms of increasing revenue are fees, the University's investments, real estate holdings, and fundraising, said Prof. Conacher. Update, although successful, he said, is modest compared to other campaigns. He said he believes the University made a mistake "attaching dollars to special projects".

Alumni representative Jordan Sullivan said the University must rid itself of the mediocre, and as the Planning & Priorities Subcommittee recommended, reinforce excellence.

In agreement was government appointee E. Kendall Cork who said he doubts "we'll get help from the government or public until we show that we've done just that... until then, our pleas are a waste of time."

Information Services offers:

Media Relations Workshop

Tues., February 12, 1980, Noon — 2:00 p.m.

in the South Dining Room, Hart House.

Cost: \$2.50 for sandwiches, coffee, tea.

This working lunch will be of interest to those who deal with the media: Radio, TV producers and news reporters and editors. The topics covered will include:

- How to write and distribute a press release
- How to handle requests for interviews for radio, TV and print
- What to do when a film crew arrives

- What services the University provides to assist you in your communications with the media
- Special problems regarding publicity

Workshop leader:

Nona Macdonald

Public Relations Manager

Information Services

Limited enrolment — please confirm with Mary King at 978-4933

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Budget: Much Ado About Nothing By John Ricker

On a chilly winter's eve not so long ago, the University's Principals, Deans and Directors, a group that meets once a month in the Council Chamber of Simcoe Hall, gathered together in the Faculty Club for an informal evening of wining, dining and conversation.

A highlight of the convivialities, we learned, was the presentation of excerpts from an original play, read aloud by its author, Faculty of Education dean John Ricker.

With the kind permission of the playwright, reproduced below, for your edification and enjoyment, are those excerpts, along with introduction, of Budget — Much Ado About Nothing. (Rumours abound that Stratford is interested in mounting a production, with William Hutt being considered for the role of Chief P.)

When I began to reflect upon Ps, Ds and Ds and what might besaid to express my impressions about that remarkable body, I was conscious of such a lump rising in my throat that I knew I could not trust myself to speak freely and informally about the subject in a public gathering. The danger of emotional breakdown for a sensitive person would simply be too great. For that reason, I decided to speak from a prepared script that could be read with appropriate dignity and that would guard against an unseemly display of sentiment. To ensure that there would be a complete absence of passion, apart from the insulation afforded by the topic itself I decided not to refer in any way to the real Ps, Ds and Ds but to create a completely imaginary body with completely imaginary Ps, Ds and Ds, and further to ensure that there could be absolutely no resemblance to actual Ps, Ds and Ds, I have put my script in the form of a play set in a completely different time and place.

The only contemporary note in the entire exercise is that I have agreed to turn over all the royalties to the Faculty of Medicine to help them cope a little better with their chronic financial difficulties. My only problem in this respect is that no one has been able to tell me to whom or to what body these payments should be made. That problem may not prove to be insuperable, however.

Well, to get right down to the matter, I should tell you at the outset the title of my play. I sought for something grabby like "Godfather" or "Jaws" or "Coma", but the latter, while appropriate to the subject in most respects, seemed just a shade negative. I settled finally on another one-worder — "Budget" — with the sub-title "Much Ado About Nothing". The play is a one-act tragedy in two or so phases with about 39 or so steps. You will recognize that it is an entirely original literary form which really has never been

tried more than a dozen or so times before in quite this way or with quite the same number of phases or steps.

I regret that I am going to have to read all of the parts myself. I did try to assign parts and actually auditioned a number of Ps and Ds, but only Max Clarkson showed anything like the dramatic intensity and other-worldly sensitivity required, and Max flatly refused to have anything to do with a play that had a pornographic title. There was neither time nor money available to create the rather elaborate sets required. Hence tonight you will have to let your imaginations run free while I present some brief snippets from Act I, Phase I, Step 2 or 3 or whatever of the original play — "Budget"!

The play is set in ancient Rome with some of the scenery for this particular step imported from one of the then less developed countries of the second world — Scotland.



The curtain rises on the upper corridor of the main hall — dark, dreary, dank and drafty. There is an urn with steam rising from its seams and pieces of things around the urn. Enter three figures all having much the same look of sinister confusion, a P, a D and another D.

P.1 When shall we three meet again
When we've all gone down the drain?

D.1 When the budget's wrought its ruin
And we've had a Royal Screwin'.

D.2 That will be Step 23 — or thereabouts.

In the meantime,

P.1 Round about this loathsome urn we slink
Savouring its frightful putrid stink
Of a liquid from some foul abode
Uncovered by Pollution Probe —
That only Ps and Ds can drink!

ALL Fuddle budget toil and trouble
Fuddle budget fuddle double
Fuddle fuddle fuddle fuddle!

Enter three different Ps, Ds and Ds

P.1 The night has been unruly. As I came
To this dread place, I passed Sid Smith Hall
With windows boarded up. And from its second floor
Lamentings heard i' the air, strange chants of death
And prophesying, with accents Krugerish
Of dire combustion and confused events
Ham hatched to the woeful time.

D.1 Why saw you anything more wonderful?

D.2 Upon the steps of Simcoe Hall, there were drawn up
Upon a heap a hundred UTFa reps
Transformed with their fear, who swore they saw
Administrators all in fire removing from the vaults
For their own use the hoarded treasure of this
Vast estate,
And yesterday the P. of Erindale did lose himself
Within his manor house
And spent the night hooting and shrieking.

When these prodigies do so conjointly meet,
I do believe they are portentous things
Unto the climate that they point upon.

P.1 Now could I, D, name unto thee a man
Most like this dreadful night
That thunders, lightens, opens graves and roars
A man prodigious grown as these eruptions are —

D.1 'Tis Donald of whom you speak to me
Is it not, P?

(End of Step 2 or 3 or Whatever)

Step 4 or Phase I of Act I or thereabouts takes place in the main chamber with a large number of Ps and Ds and other Ds seated in dignified fashion, their togas bulging with pieces of some of those things that were around the urn in the previous step.

The Chief P of all enters and begins to speak.

Ch.P Deans, Directors, Principals, give me your ears
For loans are not enough to serve
The bloody business that we do this day.

If you have bucks, prepare to shed them now,
For I this day your budgets will unfold —
At least enough to let you know the rules
By which this year our havoc we will wreak
Upon the Faculties and Colleges
O'er which you would hold sway.

The evil you have done we will reward
As hoary custom dictates that we must —
The good we will continue to ignore,
But lest you think that we are locked in
To outworn principles and practices
We plan this year new wrinkles to inject.

We will not mutilate you all the same
But lay about with new criteria
That should amuse as well as bruise!

This year, across the board is out
With crude percentages and equal cuts,
Instead our practised eye your plan will scan
Before we pocket all we can!
And we with open ears will listen to
Your troubles, hopes and doubts and fears
And even dry your tears before we pluck
Those goodies hidden in accounts unnumbered
By which you wouldst sustain yourselves against
The common weal.

This year we have abandoned S & M.
Our budget process is without a kink,
No dallying with add ons or add backs
We'll do it with a one-time-only crack
Before you have a chance to weep or wink!
But lest you think that we are savages
Intent to make you squirm with rage and fear —
We'll allocate it back to you next year!

ASIDE (And that will be when Trinity, St. Mike's and Vic
Make common cause with Innis, New and Erindale —
And St. George's Forest moves to Scarborough.)

So take heart now, I'll tell you how it works
To prove once and for all there are no quirks.

You've told me Arthur, Paul and Joan and John,
And Peter, Brian, Larry, Richard, Frank,
That your estates in teaching and research

Are so near to the peak in quality
'Tis doubtful that they could a whit improve.
In brief, you are the best!
Too bad! For if you've reached the pinnacle
You cannot score with our criteria,
For one cannot on the best improve!
To further innovate or plan or shift
Or flex, respond or manage your affairs
Would so impair your strength that you would be
No longer first in quality or needed by society
Or central to the University!
And so you lose! You will proscribed be!
But should you bleat that I too much attack
We'll spend some seconds now on your feedback.
'Tis true, I've said enough from lofty peak
'Ist one among you who for all can speak?
Who is this ancient one? Speak greybeard.

Very old P, or D or D (very hard to tell which)
Threescore tenured years I can remember well
Within the volume of which time I have seen
Hours dreadful and things strange; But this sore
Hath trifled former knowings. day

O horror, horror, horror! Tongue nor heart
Cannot conceive nor name thee!
Confusion now hath made his masterpiece!

Ch. P. Aroint thee loon!
And you, you blocks, you stones, you senseless
Ps and Ds
Get back to Colleges and Schools and Faculties
And on your calculators spill your tears!

Epilogue

When to the sessions of sad silent thought
I think again of Budgets that are past
I sigh the loss of many a buck I sought
And with old woes new wail that sad time's waste.
Then can I drown an eye unused to flow
For all those eager scholars that we lost,
And weep afresh that long-since vanished dough
And moan again the real expense and cost!
Then can I grieve again at cuts foregone
And heavily from woe to woe tell o'er
The sad account of fore-bemoaned moan
Which I new pay as if not paid before.
But if the while I think on bashes such as these
All birchings dissipate and sorrows ease.



Library cutbacks hamper processing of new books

chief librarian reports an eight-month backlog

Slower, scarcer service in the University's library system can't continue without damaging academic programs, says chief librarian Robert Blackburn in his annual report.

In the past nine years, the base budget for library operation has been reduced by

\$1.99 million, he says. Meanwhile prices of books and journals have been subject to rates of inflation substantially higher than that in the general Consumer Price Index. Devaluation of the Canadian dollar has had a devastating effect, too, since about 96 percent of the book fund is spent on foreign publications. Costs for salaries, supplies, services, communication, and equipment have also been rising.

The result is that staff has had to be reduced by 27.3 percent since 1971 and only part of that reduction can be balanced against the declining rate of acquisition and against labour-saving applications of automation.

Recorded use of books is rising slowly, says Blackburn, and unrecorded use appears to have doubled or tripled since the Robarts Library opened in the summer of 1973.

Staff cuts have had a marked effect on the processing of newly-acquired material. Last spring, the cataloguing staff had about eight months' worth of new books waiting to be processed. Blackburn says the backlog can only be reduced by giving "severely abbreviated cataloguing to some categories of material".

However, the Library of Congress is adopting a new set of cataloguing rules with which U of T will be forced to comply though integrating those new rules into the cataloguing system here will cost time and money. The University has already appealed for and won an implementation delay but must incorporate the new system by 1981.

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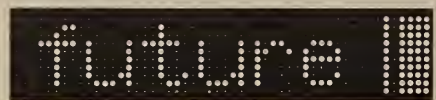
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..... conference

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Keynote Speaker: Ms. Addie Mattox, noted expert on office automation in educational and research institutions.

Equipment Displays and Demonstrations by 13 major vendors:

A.B. Dick, AES, Computrex, Digital, EKM, IBM, Kodak, MAI, Nashua-Murritt, Office Equipment Company, Olivetti, Wang and Xerox.

Place: Auditorium and Campus Lobby, Medical Sciences Building.

Time: Wednesday, February 6 and Thursday, February 7, 1980.

Program: You will receive, by January 31st, an invitational brochure giving specific topics and times.

Sponsor: Office of the Vice-President (Research and Planning) and Registrar.

PhD Orals

Wednesday, January 23

Harold Mark Schwartz, Department of Chemistry, "Some Kinetic and Synthetic Aspects of Horse Liver Alcohol Dehydrogenase." Prof. J.B. Jones. Room 309, 63 St. George St., 10 a.m.

Thursday, January 24

Gregory Edward Hall, Department of Chemistry, "Laser-Induced, Two-Photon Ionization of Pyrene." Prof. G.A. Kenney-Wallace. Room 307, 63 St. George St., 10 a.m.

Friday, January 25

Mohammed Akoodie, Department of Educational Theory, "Immigrant Students: A Comparative Assessment of Ethnic Identity, Self Concept and Locus of Control amongst West Indian, East Indian and Canadian Students." Prof. A. Wolfgang. Room 309, 63 St. George St., 2 p.m.

Paul Di Virgilio, Department of Comparative Literature, "A Study of Voice in the Modern Novel." Prof. M.J. Valdés. Room 111, 63 St. George St., 2 p.m.

Martin John Donougho, Department of Philosophy, "An Interpretation of Hegel's Philosophy of Art." Prof. K.L. Schmitz. Room 201, 65 St. George St., 2 p.m.

Monday, January 28

Carolyn Diane Baker, Department of Educational Theory, "An Integrative Approach to the Study of Adolescent Socialization and Identity." Prof. J. Heap. Room 111, 63 St. George St., 10 a.m.

Roger Adams Young, Department of Physics, "Seismic Crustal Structure Northwest of Thunder Bay, Ontario." Prof. G.F. West. Room 309, 63 St. George St., 10 a.m.

Baxter Juan Garcia, Department of Physics, "Acoustic Properties of Bone." Profs. K.G. McNeill and R.S.C. Cobbold. Room 309, 63 St. George St., 2 p.m.

Tuesday, January 29

Daniel Akuamoah Dameh Boateng, Department of Chemical Engineering, "The Extraction of Nickel from Sulphide Ores by Hydrometallurgical Processes." Prof. C.R. Phillips. Room 307, 63 St. George St., 2 p.m.

Dorothy A. Fraquelli, Department of Astronomy, "A Spectrophotometric Survey of Some Bright RS CVn Binaries." Prof. J.R. Percy. Room 309, 63 St. George St., 2 p.m.

Wednesday, January 30

Ervin Weinberger, Department of Physics, "Spectroscopic Studies of Rubidium with Doppler-Free Two-Photon Absorption." Prof. B.P. Stoicheff. Room 309, 63 St. George St., 2 p.m.

Monday, February 4

Jon Redfern, Centre for the Study of Drama, "To Refine and Reform the English Stage: A Study of James Robertson Planché's Scenic Reforms in London Productions of Shakespeare, Melodrama, and Opera 1820-1850." Prof. L.L. Marker. Room 111, 63 St. George St., 9.30 a.m.

Thursday, February 7

Ross Daniel Brackstone, Department of Educational Theory, "The Structure of Talk in Primary Reading Lessons." Prof. J. Heap. Room 111, 63 St. George St., 10 a.m.

Monday, February 11

Robert Andrew Baker, Department of Educational Theory, "Educational Aspirations and Expectations and Perceived Educational Values." Prof. E. Harvey. Room 111, 63 St. George St., 10 a.m.

Job Openings

Below is a partial list of job openings at the University. Interested applicants should read the Promotional Opportunity postings on their staff bulletin boards, or telephone the Personnel Office for further information. The number in brackets following the name of the department in the list indicates the personnel officer responsible. Please call: (1) Sylvia Holland, 978-6470; (2) Penny Tai-Pow, 978-5468; (3) Manfred Wewers, 978-4834; (4) Ann Sarsfield, 978-2112; (5) Barb Lipton, 978-4518; (6) Clive Pyne, 978-4419.

Secretary II

(\$10,330 — 12,160 — 13,990)
Medicine (4), Jewish Studies (1),
Computer Science (1)

Programmer III

(\$18,160 — 21,370 — 24,580)
Business Information Systems (3)

Programmer IV

(\$22,360 — 26,310 — 30,260)
Library Automation Systems (3),
Computing Services (3)

Craftsman III

(\$15,500 — 18,240 — 20,980)
Aerospace Studies (5)

Professional Engineering Officer II

(\$20,140 — 23,700 — 27,260)
Computing Services (3)

Professional Engineering Officer III

(\$22,360 — 26,310 — 30,260)
Physics (1)

Electrical Systems Engineer

(\$22,360 — 26,310 — 30,260)
Physical Plant (6)

Coordinator of Program

Development
(\$22,360 — 26,310 — 30,260)
Continuing Studies (2)

Senior Systems Auditor

(\$23,540 — 27,710 — 31,880)
Internal Audit (3)

Dental gold missing from Faculty of Dentistry

The Faculty of Dentistry has reported two incidents of theft since classes resumed following the Christmas break.

On Jan. 7, the first day of classes, approximately 10 oz. of dental gold, valued at \$5,460, was reported stolen from lockers of dental students.

Dental gold is not pure gold but a combination of gold, silver, zinc, platinum, copper and palladium.

University police are cooperating with Toronto Metro police in a full investigation of the incident.

A second theft was reported on Jan. 16.

This time, dental gold was removed from dental projects (false teeth and bridges) that had been stored in a cupboard at the Faculty. An estimated \$10,000 worth of dental gold was taken. U of T and Metro police have just begun their investigation.

"Security is much tighter since the incidents and we have more frequent police patrols, especially at the Faculty of Dentistry," said Gordon Huff, manager of Protective Services Division at U of T.

Impact of differential tuition fees for visa students has been offset, but could soon affect enrolment

Differential tuition fees, imposed on visa students by the Ontario government in 1977, have not yet had an impact on enrolment but could soon do so, Vice-Provost William Saywell says in his recently published report on international education at U of T.

The number of visa students at the University has actually increased since 1977. Even the number from developing countries, while still small, has increased and remains a stable percentage of all visa students.

Professor Saywell says the effect of the differential fee has been offset because:

- foreign students at U of T tend to be from relatively affluent families
- the government exempted students already in an Ontario university program before 1977
- U of T provided some funds, now being phased out, for visa students caught in the transition to a differential fee.

But a chairman in the Faculty of Applied Science & Engineering warns in the report that a substantial reduction in the number of enquiries from overseas points to future problems.

Even without the differential fee, a Canadian university education is already beyond the means of many third world residents. And while the cost of living in Canada is rapidly rising, support for third world students by their respective governments and by national and international development agencies is declining. Meanwhile current immigration regulations severely restrict employment opportunities; and even access to jobs as graduate teaching and research assistants could be restricted in future.

Says one chairman: "We're forced to behave like a small nation that has collect-

ed talents from other countries for a century and now has no scruples about slamming the door on the fingers of persons to whom we could repay a moral debt."

Having a broad pool of talent from which to attract students is undeniably beneficial to the University, says a dean, quoted in Saywell's report.

The University has managed to augment its graduate fellowships by \$200,000 since 1977, in addition to providing transitional funds, but it can't do much more because of fiscal constraints, says Saywell. The discouraging picture will only change, he says, if development agencies can offer more money to third world students or if the federal government relaxes immigration rules restricting temporary employment.

Though funding might be in short supply for visa students at U of T, services are not, says the report. The University's downtown location in an increasingly cosmopolitan city has made foreign students decreasingly dependent on U of T for social and cultural facilities and for assistance in adapting to Canadian life. Nevertheless, the University offers its international student community "a comprehensive and effective range of services", says Saywell.

When visa students are admitted, they are sent the International Student Centre's booklet of information on immigration, housing, health insurance, the cost of living, and so on. In August and September, the centre provides a service to help with everything from finding accommodation to sorting out immigration problems.

The centre mails a monthly newsletter to every visa student on campus and has

recently started a program to help visa students find employment in their own countries.

For graduate students, the centre has an English language program. Undergraduates may use the writing laboratories at the various colleges or enrol in special courses designed for their needs, such as one at Innis College that introduces Canadian society to the foreign student while stressing the development of each student's communication skills.

Availability of services is no problem, says Eric McKee, a former director of the centre, but there is a need for better coordination among those responsible for separate but obviously related areas such as financial aid, residences, accommodation, and counselling, whether personal or academic. McKee, now University Ombudsman, says he is "firmly convinced that the services have been and probably remain under-utilized".

How many could be taking advantage of the centre's services? In November, 1978, there were 2,534 visa students from 86 countries, of which 20 were represented by only one student each. The only countries represented by more than 100 students each were Hong Kong (accounting for 46 percent of all the visa students at the University), the United States (20 percent), and Malaysia (six percent).

Visa students represented 4.6 percent of the full-time U of T enrolment, excluding summer programs, in 1976-77. That figure jumped to 5.6 percent in 1977-78 and increased marginally to 5.8 percent in 1978-79. The U of T figures are reasonably consistent with those for higher education in Canada generally. About five percent of all Canadian college and university students are visa students.

The Saywell report also focuses on the various University divisions and individuals involved in a variety of international education projects. For example: • the Faculty of Forestry has helped the School of Forestry at the University of Vicosa, Brazil to establish a PhD program; and on a less formal basis, it has helped schools of forestry in Malaysia, Nigeria, and Peru

• the Faculty of Dentistry has a faculty-exchange scheme to help Cuba develop its dentistry programs; and ways of offering similar assistance to Nigeria are being explored

• the Faculty of Education has helped with programs in such countries as the Bahamas, Bahrain, Guyana, Jamaica, Trinidad, Tobago, and Somalia

• the Faculty of Applied Science & Engineering has been involved in educational assistance schemes in several countries including Jamaica, Malaysia, Saudi Arabia, Cuba, and Chile

• the Department of Astronomy offers Chilean scientists use of its telescope at Cerro Las Campanas; also the department supports a Chilean graduate student here

• individual faculty from various departments, particularly in the fields of pure and applied science and economics, provide educational assistance and promote research in many African, Asian, and Latin American countries.

Lately there has been a new development in the realm of international education, says Saywell. The People's Republic of China and the governments of wealthier Middle Eastern and African nations have started asking U of T to accept large numbers of faculty and advanced students for specialized training.

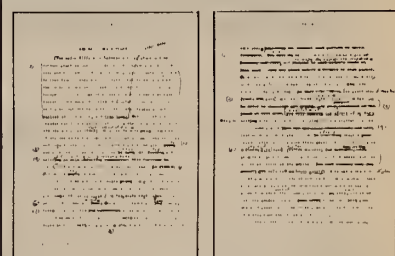
Also, U of T cooperates with other Canadian universities and with the Canadian International Development Agency (CIDA) to provide individual experts and groups for third world projects. Saywell's office is responsible for circulating notices of such opportunities to the relevant divisions.

Press Notes

It has been said of a much older and larger university press that being published by it is 'rather like being married to a Duchess ... the honour is almost greater than the pleasure.' We like to stress the second element ourselves. Indeed, one of the joys of reading correspondence within the Press is the unfolding of friendships between editors and authors - beginning formally, usually moving quickly to first names, and ending far more often in bouquets than in brickbats (though we do fail occasionally). Bouquets in the past have been of pressed as well as fresh flowers and have extended to baskets of fruit and even a collection of fungi.



The relationship between author and copy editor in particular is close, symbiotic, and at its best invisible to the ultimate beneficiary, the reader. If the editor has done her work well (it is usually 'her' though the Press has several men who copy edit) the resulting book will be free of ambiguities and obscurities and repetitions; it will have no irritating distractions of faulty syntax or misspelled names or inconsistent deviations from accepted usage in notes, bibliographies, charts, graphs, and tables. Author and reader will be in direct, static-free communication.



Authors, concerned with facts and themes, cannot always be aware of stylistic detail. Nor can they always spot jargons, clichés, or the many other flaws that come between a reader and his ready acceptance of an argument. The success with which our editors work is attested in scores of comments from authors, among them these from two well-known Canadian scholars:

I am most grateful to you and D—; all the things I learned about the preparation of this book will be of great help to me in future writing.

I have been reading a long typescript ... and have been chuckling to myself over what you would do to this poor scholar's style. In a small way I have been using your techniques, but less rigorously.

The editor in short is more than a negativiser and nitpicker (epithets hurled by one later grateful author). The editor's job is not only to encourage but to point out the weaknesses an author misses from being too close to the work. In this she or he serves not only as a pre-publication critic but as the author's friend.

We like to think that we have the best collection of such friends in Canada.

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The Kalahari bushmen

Two U of T professors have made a 10-year study of the last

by Pamela Cornell

Imagine a society where . . .

- there is no unemployment
- divorce is frequent, friendly, uncomplicated, and without negative effect on the children
- birth control is not practised yet conception conveniently occurs only at three- to four-year intervals
- no one has secrets because all socializing, cooking, sleeping, and even sex take place outdoors in the heart of the community
- sharing is so much a way of life that there's no concept of gratitude, no word for "thank you".

Anthropology professor Richard Lee and sociology department chairman Nancy Howell have lived in just such a society, with a group of Kalahari Bushmen. Known as !Kung, they inhabit the northwestern fringes of the Kalahari Desert.

The exclamation mark in front of the name signifies one of four click sounds, an unusual phonetic feature of !Kung language. The clicks are made by drawing the tongue sharply away from the roof of the mouth.

The !Kung are one of the best-known and largest groups of hunter-gatherers in the world. Ten to 15 thousand years ago, all human beings existed by hunting and gathering. Now that way of life only persists in a few isolated parts of the world, where agriculture and industry have not penetrated.

Lee and Howell were among 14 researchers involved in an intensive 10-year study of !Kung living in the Dobe area, a line of waterholes straddling the border between Botswana and Namibia. Within a 10,000 kilometre area live some 450 !Kung residents, augmented by an equal number of seasonal and occasional visitors.

Since 1963, Lee has spent a total of three years living with the Dobe !Kung. The Dobe area is cut off from what used to be the Bechuanaland Protectorate by 100 kilometres of waterless country that takes two or three days to cross on foot or by donkey. So when Lee first arrived, the area had no stores or schools and only intermittent contact with the outside world. The Dobe !Kung were the most isolated and traditional hunter-gatherers in what is now Botswana. Agriculture hadn't become a main source of subsistence because the annual rainfall could vary from seven to 46 inches.

Even now the !Kung rely for their subsistence primarily on more than 100 species of edible roots, bulbs, berries, fruits, melons, nuts, leafy greens, and edible gums. Their most important food is the mongongo nut, abundant in the Dobe area and highly nutritious. Women do all the gathering while hunting is reserved for men but game is not abun-

dant so meat constitutes less than half the !Kung diet.

"Because the !Kung don't amass a surplus of foods, there are no seasons of exceptionally intensive activities, such as planting and harvesting, and no seasons of unemployment," says Lee.

A woman gathers enough food on one day to feed her family for three. Kitchen routines, such as cooking, nut cracking, collecting firewood, and fetching water, occupy only one to three hours a day so there is plenty of time for resting, doing embroidery, or entertaining visitors from other camps. A rhythm of steady work and steady leisure is maintained throughout the year. The pace is more sporadic for a man, who might hunt avidly for a week then do no hunting at all for two or three.

Young people are not expected to provide food regularly until they are married (ages 15 to 20 for women, five years later for men) and old people are fed by their children and grandchildren.

"So about 40 percent of the population in camps contribute little to the food supplies," says Lee. "This allows for a relatively carefree childhood and adolescence and a relatively un strenuous old age."

The !Kung move camp about five or six times a year, though often no further than a few hundred yards. Food can be obtained within a day's walk of home base so long treks of 30 to 100 miles are only undertaken for visiting, trading, and marriage arrangements. Each camp contains from 10 to 30 people but the composition changes from month to month, day to day.

"The !Kung camp is a unit of sharing, and when sharing breaks down, it ceases to be a camp," says Lee. "Parties in disagreement will split up and seek another camp where the relations are more congenial."

"When food is brought into the camp at the end of the day, it is distributed so that everyone receives an equitable share. There is a constant flow of people and foodstuffs from camp fire to camp fire as the !Kung eat, catch up on the day's events, and relax with good company."

"Stinginess and hardheartedness are regarded by the !Kung as cardinal sins, but 'generosity' is not rewarded with praise or congratulations: it is merely considered elementary good manners. The !Kung have no word for 'thank you'; when they encounter Europeans who expect it, they borrow the Afrikaans word *dankie* to please their visitors."

"A !Kung camp has no walls. Everyone's daily life is lived in full view of 30 or more neighbours. The !Kung build small grass huts, for storing possessions or sheltering from the rain, but they don't live in them. All cooking and socializing and most sleeping and sex take place in



Richard Lee



men called !Kung

et of the world's hunter-gatherers

front of the hut at the camp fire. There are no secrets in the life of the !Kung; everyone knows everyone else's business.

"The !Kung rarely sleep alone. Whole families sleep by the fire under the same blanket. Only some widowed older men sleep alone regularly.

"The intimacy of eating and sleeping behaviour strongly affects the style of interpersonal relations. Observers have been struck by the directness of communication between !Kung. Rather than treading lightly and avoiding sensitive areas, !Kung come right to the point and confront one another with the issues. These confrontations are sometimes shocking to North Americans, who are schooled to politeness to the point of deviousness. If a woman's sex life is not going well, she announces to the group, 'My husband can't get it up!' The discussion moves through accusation and counteraccusation until all parties — husband, wife, and others — have stated their positions. Everything is out in the open, and the airing of grievances opens the way for understanding and progress."

But things change. In 1967, a trading store was built in the heart of the Dobe area and, for the first time, store-bought food and dry goods were available for cash. The !Kung women immediately set up a thriving business in home-brew beer using brown sugar from the store as the main ingredient.

Improved transportation resulted in some of the young men going off to work in South African gold mines for meagre wages that were often squandered on beer, prostitutes, and gambling.

By the early '70s, !Kung lands were becoming increasingly fenced in, missions and schools were opening in their midst, and the South African military were recruiting the !Kung as trackers in border patrols against African liberation movements.

The members of the research team felt their responsibility went beyond merely publishing the results of their studies. They wanted to help the !Kung in their struggle to determine their future.

In 1973, the researchers set up a non-profit foundation called the Kalahari People's Fund, to which they donate a portion of their royalties and fees from writing or film-making projects on the !Kung. Since then, the money has been used to provide consultancy services to the Botswana government, scholarships for !Kung children, and land claims assistance for their parents.

"Ultimately the future of the !Kung is tied in with the future of all the peoples of Southern Africa," says Lee. "No one can predict what the outcome of the struggle there will be or what role the !Kung will play. I only hope they will be able to enrich the national life of Botswana as they have ours."

There are 22 kinds of relationships in !Kung society, marriage being one of the least permanent



Nancy Howell

Professor Nancy Howell's !Kung research centres around demographics — the statistics of births, deaths, marriages, and other population processes in that society.

Because the !Kung live much as our ancestors did 10,000 years ago, demographic data on these contemporary hunter-gatherers can provide insights into human evolution. Howell's experimental method is micro-simulation — the use of a computer to project the demographics of a population over time.

Demographics isn't all numbers and graphs, though. There's a narrative side, too.

Marriage in !Kung society, for example, is not the social institution it is in North America; rather it's a private arrangement, begun and ended entirely at the discretion of the two partners.

Several brief marriages are commonly formed and dissolved in adolescence so first marriages have little lasting social significance.

Divorce is often initiated by the woman and holds few handicaps for her because she can easily remarry or go home to her parents. Women automatically have custody of the children and since the !Kung seldom own more than a few clothes and cooking utensils, division of property is not an issue, either.

While marriage can be a very temporary arrangement, other kinds of kinship are lifelong. In !Kung society, there are 22 kinds of relationships — 11 for females and 11 for males. Both the impermanence of marriage and the importance of other kinds of kinship are illustrated in the elaborate gift-giving network called *Hxaro*.

"The !Kung are always giving each other things, like strings of ostrich shells," says Howell. "These gifts are usually passed on, not kept."

Protocol dictates who should be given what — and when and how. Gifts to in-laws, for example, may only be presented through a spouse, thus maintaining a respectful avoidance of familiarity that would only be awkward if the marriage ended.

Most young !Kung aren't fully aware of the complexities of kinship until their teens so they don't usually take on the responsibility of *Hxaro* until they are married. But they're drawn into the ritual

as early as two or three. Typically, a small child is loaded with beadwork, marched over to grandmother, and urged to make the presentation. There are often tears and reprimands before the child is resigned to parting with the gift. Later, the grandmother will give something to the child to demonstrate the reciprocal nature of *Hxaro*.

The average family has only four or five children, though intercourse starts early and birth control isn't practised. In an effort to account for this phenomenon, the research team studied the reproductive lives of 256 adult women over a 10-year period.

The nomadic lifestyle appears to play a significant part in birth spacing. Having to carry more than one infant or toddler on long treks would jeopardize the health and safety of a woman and her offspring so nature provides a mechanism for lengthening the birth interval.

Richard Lee explains: "The nomadic !Kung diet, though rich in nutrients, is deficient in suitable weaning foods, such as milk and porridge, which are easily digested by infants and toddlers. So although infants are introduced to solid foods by six months of age, mother's milk continues to be an important part of the child's diet into the third year of life." That prolonged high level of lactation apparently postpones resumption of a woman's ovulation.

As for the death rate, Lee says: "Ever since Hobbes characterized life in the state of nature as 'nasty, brutish and short', the assumption has been that hunting and gathering is so rigorous that members of such societies are rapidly worn out and meet an early death.

"The !Kung Bushmen of the Dobe area flatly contradict this view. In a total population of 466, 46 individuals (17 men and 29 women) were determined to be over 60 years of age, a proportion that compares favourably to the percentage of elderly in industrialized populations."

Professors Howell and Lee both had books on the !Kung published in 1979: hers is entitled *Demography of the Dobe !Kung* (Academic Press), and his, *The !Kung San: Men, Women, and Work in a Foraging Society* (Cambridge University Press).



Forum

Encouraging alumni participation: A subjective view

By Joyce Forster

A funny thing happens to more than 10,000 young people at the University of Toronto every June. After parading across the campus to Convocation Hall they are admitted to graduation in a solemn ceremony marked by assurances from the great and the near-great that they are (a) the most outstanding class the University has ever graduated and (b) the only hope for the preservation of Western Civilization, if not Earth itself. Heady with power, they emerge from the hall to find they have suffered instant demotion to a curious subspecies called "the alumni".

Although very little is known about "the alumni" at the University of Toronto, a prevailing opinion holds that the male alumnus can be instantly recognized by his coon coat and hip flask. The female is described as either "a little old lady in tennis shoes" or a bulldozer in a flowered hat.

Unfair exaggeration? Certainly. But those embarrassed snickers over in the corner suggest that the University's first step in the encouragement of alumni support should be to refute these or any other alumni stereotypes. There are, in fact, more than 200,000 alumni of the University of Toronto abroad in the world. They are concentrated in Toronto, widely spread throughout Ontario, scattered across Canada, and found in lesser numbers in almost every country of the world. In their ranks you will find representatives of almost any trade, business, or profession you can name and they constitute a formidable potential resource of volunteer labour, financial support, and political clout if only the means can be found to tap it.

And there's the rub. What are the means? What are the magic incantations that will put this army into the field? What, in short, do alumni want?

A university that cares

It may come as a surprise to some, but the first thing alumni want is a university that cares passionately about its students. A university that admits not just the highest marks but those whose academic achievements are matched by talents and energy and a willingness to commit themselves to leadership and responsibility. A university that cares not only about the quality of its scholarship and facilities but about the quality of its teaching and the quality of campus life. This is not altruism. The most potent force in alumni recruiting is nostalgia. A student who feels he/she has been shortchanged academically or socially becomes an alumnus/a with nothing to be nostalgic about.

An undergraduate presence

No student passes through Harvard without realizing that without alumni support there would be no Harvard. Few students emerge from the University of Toronto with any awareness that alumni organizations exist or that alumni have made any contribution to the University. Small wonder that fewer yet feel any obligation to carry on the work and support of those who have gone before.

A well-informed willingness on the



part of both administration and faculty to credit alumni support wherever it has been, or is being given, would do more to create the necessary sense of obligation than any number of artificial student-alumni get-togethers or memorial plaques.

The University should also ensure that its alumni organizations have a recognized part in its formal ceremonies, particularly graduation. No graduate should leave Convocation Hall without a formal welcome from the president of his/her alumni constituency.

A cooperative approach

Asked to participate in a widely acclaimed alumni lecture series, one faculty member (well over 60) refused curtly on the grounds that he was too busy "to spend his time with doddering old fools".

Asked to spend a few minutes welcoming his Varsity Fund alumni telethoners, the head of another faculty declined on the grounds that it would "make me late for dinner every night this week". (Varsity Fund telethoners are never late for dinner. They get no dinner at all.)

Alumni do not expect to be number one in either the University's or the faculty's priorities. They understand reasonable refusals. They do not understand discourtesy and condescension. And above all, they are baffled by the ambivalent attitudes of so many members of the University to fund raising.

If those who look to the alumni to provide them with their discretionary income will not take the trouble to assist, inform, encourage and thank their workers they will very soon run out of both alumni fund raisers and alumni funds.

Selective service

Alumni are equally baffled by the University's failure to recruit alumni talent as well as money. In the various governing bodies of the University, and many of its tribunals, skilled alumni are well represented. It is in the ad hoc employment of alumni resources that the University often shows a lack of imagination and initiative. When funding for necessary professional services and auxiliary programs dries up, there is

often a fatalistic conviction that when money is unavailable the University must do without.

An entire article could be written on this subject alone but merely scratching the surface it should be apparent that some of the finest legal, accounting, labour relations, investment, financial, management, computer, library, laboratory, and teaching experts in the country are University alumni. When the budget cannot be stretched to provide the consulting services or skills the University needs it seems only common sense to fill some of the gap with skilled volunteers.

(It would be as well to pause here and establish one inviolable principle: volunteer assistance should never be employed to make it possible to eliminate a paid position. It is when funding has disappeared and the paid position has, perforce, been eliminated that a program could sometimes be saved or a service obtained from the alumni body.)

Finally, many divisions and departments are missing a golden opportunity to benefit from informed community experience by failing to enlist their alumni in program evaluation, faculty councils, and advisory boards.

Accurate, candid information

Through *The Graduate* the University attempts to keep its graduates informed. No reasonable person would expect the University to spend the very large sums involved in *The Graduate* to put itself forward "wart-side" first, but a little less

Candide and a little more candour would, in my opinion, generate greater concern and support, not less.

Inevitably, however, most alumni get their day-to-day news of the University (particularly in Toronto) from their daily papers. The news, of course, is not the problem. It's the editorials. After each damaging editorial, those of us who know the facts and care about the University wait expectantly for someone — the President, a faculty member, the college cat! — to set matters straight. Most often we wait in vain.

I know the theory that says you should not dignify vilification by taking notice. I know the theory that no one reads editorials anyway. Unfortunately among that "no one" you will find a substantial number of alumni (to say nothing of all politicians). A prompt response by responsible authorities to misinformed editorial comment would do much to convince alumni in the community that the University needs and deserves their support.

A golden future

Looking ahead to 1990 we see that adoption of these few modest suggestions has ushered in a Golden Age of alumni affairs. A high point of every year is the annual mass open-air "Thanksgiving for Our Alumni" service which follows the week-long Christmas vacation Alumni Symposium (planned and staffed as a goodwill gesture by the faculty). The Alumni Coffee and Cookie Service (a joint project of Simcoe Hall and the college administrators) has been well received as was the decision that all parking on the front campus should be banned to leave room for the limousines of the President's alumni advisers. *The Globe and Mail*, under pressure from a militant alumni cell in the Newspaper Guild, is running fundraising appeals as a public service and the Varsity Fund hopes to pass the one billion dollar mark in the near future.

Unfortunately it won't happen. However hard the University tries it will find that, human nature being what it is, 90 percent of its potential supporters will be quite content that 10 percent should do most of the supporting. Still, if the University has been doing its job over the years that 10 percent could represent a body of some 20,000 intelligent, educated and competent voters and supporters in the community.

It's an army well worth recruiting.

Author's note: The anecdotes related in this article are true experiences but they are not my experiences. The many members of the University community who have given me their support and assistance during my 15 years as an alumni worker will understand, I hope, that it is because they have shown me what can be accomplished by active co-operation that I am exasperated by those with narrower vision.

Joyce Forster is an alumni member of the Governing Council. She has been active in the University College Alumni Association since 1965 and in the University of Toronto Alumni Association since 1967.

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Forum

P & P report distorts past, Governing Council member claims

I am writing to you about one small, but not unimportant, section of the report of the Planning & Priorities Subcommittee of Governing Council recently published as a supplement to the *Bulletin*. This had been circulated previously in a bound copy to the members of Governing Council, and to deans, principals and directors. When I first saw it in November I was shocked, to put it gently, at the travesty of history which appeared on pages 14-15 (original pagination) purporting to be an account of the colleges and departments in the Faculty of Arts & Science. The true history is indeed complex, but brevity did not necessarily entail such a farrago of errors, distortions and misleading statements, to a total of about 12 in five short paragraphs!

Since I hoped that this passage could be corrected before any further distribution of the document, I prepared a critique in some haste and delivered it, via the secretary of council, to the chairman of the Planning & Resources Committee, about four hours before the meeting of his committee on Nov. 19 at which the report was to be received. That is the background to the subsequent events (or non-events) which I must now reluctantly record.

1. One month later, I have still received no acknowledgement or response of any kind, oral or written, from the chairman to my letter which accompanied the critique, nor have I heard anything from the various senior administrators to whom I had sent copies of this communication because the matter was relevant to their office.

2. The minutes of the November meeting of Planning & Resources contained no reference to this matter, although there was a longish section about the report and comments on it. I therefore had no way of knowing what attention, if any, might be paid to my critique. It was like dropping a stone into a murky pond.

3. When I read pages S-3 and S-4 of the report as published by the *Bulletin*, my reactions were mixed. I was mildly pleased to see that some notice had after all been taken of my criticisms, and that some of the most serious blunders had been removed; on the other hand, one very disturbing error remained completely unchanged, at least three inadequate and misleading statements were retained, and one revision was still unsatisfactory. It must be understood that this is not a question of finding a compromise between conflicting and well-informed *opinions*, but of getting the facts of history straight. There are certainly many problematic or grey areas in the history of the University, but I am not here concerned with these.

As an example, let me comment on the most serious error which was reproduced: that the New Programme *eroded* the ability of the *federated colleges* to maintain *distinctive curricula* (in arts and science). First I shall quote two sections from my original critique:

g) The various departments in the college subjects functioned as "combined departments" with respect to their curricula and academic rules at the undergraduate *as well as* the graduate level; there was thus a single curriculum in English, classics etc. published in the Arts (and Science) *Calendar* under the authority of the Faculty, exactly as in the non-college areas of e.g. history, chemistry or mathematics. (The only *distinctive curriculum* was in philosophy at St. Michael's.)

i) As noted in (g), the New Programme did not "erode distinctive curricula" in

the federated colleges since with the exception of philosophy at St. Michael's no such curricula existed. Rather, the New Programme made it even more difficult than formerly for the colleges to *teach* their own students in their own precincts using the existing college staffs. (Such localized instruction had been the ideal, seldom fully achieved, in earlier years.) In fact, the colleges have only begun to develop distinctive curricula *after* the New Programme was established!

Let me add a few notes to these: the distinctive curriculum at St. Michael's in philosophy included a form of psychology; there was also a small and *strictly limited* number of courses in religious knowledge offered by the federated colleges, which could be included by students in arts and science programs under the old Honour/General system, but there was *no* "curriculum" or department of religious knowledge within the Faculty of Arts & Science. What has happened in these areas since the introduction of the New Programme in 1969 (not 1967 as stated — another error) and the Memorandum of Understanding in 1974?

(1) Although the St. Michael's department of philosophy merged with the University department after the memorandum (as recently as 1976, I think), their distinctive curriculum still exists more or less intact — see pages 261 and 271-75 of the current *Calendar* of the Faculty of Arts & Science for verification.

(2) Following the introduction of the New Programme, a Department of Religious Studies was established for the first time in the Faculty, with a recognized degree-program and a vast number of courses — see pages 310-20 of the current *Calendar*. (Note also the other new and distinctive course offerings developed in the federated colleges *as a result of* the New Programme and memorandum, listed under SMC [331-4], TRN [353-4], VIC [359-63].)

One must ask why such an inaccurate account was included in the original version — as Principal Lynch of St. Michael's remarked to me, it was in general an inversion of historical fact; why was a slightly revised version published later, without a word to indicate that changes had been made, a normal and salutary editorial practice? Why were some errors etc. left unmodified, including the very serious one which I have discussed? (As Principal Richardson of University College remarked, it is as if one tried to help a very weak student to improve a failing essay, only to find that many suggestions for improvement were ignored!)

Finally, why is this matter important? First, because accuracy, intellectual seriousness and respect for the subject matter are essential in the pursuit of truth by scholars and scientists within a university; second, because a correct understanding of the past, so far as may be possible, is an excellent basis for coping with the present and planning for the future; third, because false or distorted statements about the past may improperly influence present or future actions, e.g. claims may be made for the restoration of rights or situations which in fact never existed.

Professor R.M.H. Shepherd,
Department of Classics,
Governing Council

Make science and technology policy an election issue

The forthcoming election offers a new opportunity to discuss with candidates the urgent need for a creative Canadian policy for science and technology. There appears to be general agreement, among the parties, that Canadian expenditure in this area ought to be increased two- to three-fold. There are no discernable governmental plans for implementation, i.e., no proposals as to how this increase is to be utilized. To overcome the gap

between good intention and effective action, a mechanism must be evolved by which expenditure targets for research and development can be identified. Only when such a mechanism is in place will the proposals for increased spending be translated into concrete action. The election campaign offers an opportunity to present this problem to each candidate in ridings in and around Toronto. It would be helpful if colleagues who intend to participate in this drive would give their names to T.C. Clark (978-5588) so that we can invite them to a meeting for discussion and distribution of material and to organize receipt of their assessment of candidates' attitudes towards the creation of a policy for scientific and technological development.

Dr. Bernhard Cinader, Institute of Immunology

Professor J.H. deLeeuw, Institute for Aerospace Studies

Professor D.V. Love, Faculty of Forestry

Professor D.F. Mettrick, Department of Zoology

Professor W.H. Rapson, Department of Chemical Engineering

Professor K.C. Smith, Department of Electrical Engineering

Professor B.P. Stoicheff, Department of Physics

Enjoying the Bulletin

I thought I would take a few minutes at the end of term to let you know that I have been very impressed by the standards of information, format and news content in the *Bulletin* this term. I have especially enjoyed reading of the research being carried out around the University. The recent article by Jacqueline Swartz on children from the USSR (Dec. 17) was particularly good, for example. My colleagues also have a very favourable view of the *Bulletin*. Keep up the good work.

T.C. Hutchinson
Professor and chairman
Department of Botany



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Events

Lectures

Monday, January 21

The Humanities and Business.
Dean M.B.E. Clarkson, Faculty of Management Studies. R-3103 Scarborough College. 1 p.m.

Tuesday, January 22

Before Emancipation: German/Jewish Life at the End of the 18th Century.
Heinz Warschauer. H-310 Scarborough College. 10 a.m.

Thursday, January 24

Myra Nan Rosenfeld.
Architectural historian from Montreal will give lecture in 1979-80 series. 3154 Medical Sciences Building. 8 p.m. (Architecture, Toronto Society of Architects and Ontario Association of Architects)

Is Keynes Dead?

Prof. Clarence Barber, University of Manitoba; workshop on post-Keynesian economics. Senior common room, University College. 8 p.m. (Management Studies)

Friday, January 25

Some Interdisciplinary Models for Planning Human Settlements.
Prof. Philip Miller, Department of Urban & Regional Planning; second of six lectures in Lunch & Learn Club Series II, "Urban and Regional Planning". Innis College Town Hall. 12.15 p.m. Annual club membership \$25. Information, 978-2400. (Continuing Studies)

Ethnicity and Class as Competing Explanations of Politics in Africa.

Prof. Scott MacWilliams, Western Australia Institute of Technology. 340 Larkin Building. 2 p.m. (African Studies Committee, CIS)

Basic Concepts of Homogeneous Catalysis via Metal Complexes.

Prof. Günther Wilke, Max-Planck Institute for Coal Research, Mulheim; first in three A.R. Gordon distinguished lecture series. 162 Lash Miller Chemical Laboratories. 4.10 p.m.

Egypt and the Bicameral Mind.

Prof. Julian Jaynes, Princeton University; UC Symposium Two, "Egypt". West Hall, University College. 8 p.m. Tickets \$5, students \$2.50. Information, 978-6589. (Symposium details, see Meetings & Conferences.)

Saturday, January 26

Heritage, Lost and Found.

John A. McGinnis, Toronto Historical Board. Convocation Hall. 8.15 p.m., doors open 7.30 p.m. (Royal Canadian Institute)

Monday, January 28

The Lessons of the Holocaust.
Prof. Jacques Kornberg, Department of History. R-3103 Scarborough College. 12 noon.

Economics and Politics in Egypt Today.

Prof. Robin Barlow, University of Michigan. Upper Library, Massey College. 4 to 6 p.m. (Middle East Studies Committee, CIS)

Metallacycles, Intermediates of Homogeneous Catalytic Reactions.

Prof. Günther Wilke, Max-Planck Institute for Coal Research, Mulheim; second in three A.R. Gordon distinguished lecture series. 162 Lash Miller Chemical Laboratories. 4.10 p.m.

Tuesday, January 29

Brazil and the Second World War.
Prof. Peter Smith, University of Waterloo. Upper Library, Massey College. 11 a.m. to 1 p.m. (Latin American Studies Committee, CIS, History and SGS)

Duplessis' Nationalism.

Prof. Roland Chagnon, Université du

Québec à Montréal, visiting Religious Studies; fourth lecture in series, "Quebec Nationalism from the Conquest to the Referendum". H-12 University College. 4.10 p.m.

Chiral Metal Complexes and Catalytic Asymmetric Synthesis.

Prof. Günther Wilke, Max-Planck Institute for Coal Research, Mulheim; last in three A.R. Gordon distinguished lecture series. 162 Lash Miller Chemical Laboratories. 4.10 p.m.

Wednesday, January 30

Travels in Outer Mongolia.
Prof. Morris Rossabi, Case Western Reserve University. Council Chamber, Scarborough College. 2 p.m. (Humanities, Scarborough)

Frantz Fanon and African Literature.

Prof. Ambroise Kom, Université de Sherbrooke. 2053 New College, 20 Willcocks St., 2 p.m. (African Studies, New College)

In Search of the Early Khans: A Historian in the Mongolian Peoples' Republic.

Prof. Morris Rossabi, Case Western Reserve University. Croft Chapter House, University College. 4 p.m. (East Asian Studies and Humanities, Scarborough)

Creation and Re-Creation.

Prof. Northrop Frye; first in series of three Larkin-Stuart lectures. Auditorium, Faculty of Education, 371 Bloor St. W. 8.30 p.m.

Tickets free but required from Office of Convocation, Trinity College, 978-2651.

Thursday, January 31

Recent Toronto Projects.

Prof. Michael Kirkland, School of Architecture; third in series of lectures by faculty members on recent work. Room 103, School of Architecture. 8 p.m.

Creation and Re-Creation.

Prof. Northrop Frye; second in series of three Larkin-Stuart lectures. Auditorium, Faculty of Education, 371 Bloor St. W. 8.30 p.m.

Tickets free but required from Office of Convocation, Trinity College, 978-2651.

Friday, February 1

The Rational Assassin: The Insanity Defence of Daniel McNaughton.

Prof. Richard Moran, Mount Holyoke College. Centre of Criminology lounge, 8th floor, Robarts Library. 12 noon to 2 p.m. (Criminology and SGS)

Industrial Development and Planning in the Modern Metropolis.

Prof. Allen Scott, Department of Urban & Regional Planning; third of six lectures in Lunch & Learn Club Series II, "Urban and Regional Planning". Innis College Town Hall. 12.15 p.m. Annual club membership \$25. Information, 978-2400. (Continuing Studies)

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Tickets free but required from Office of Convocation, Trinity College, 978-2651.

Saturday, February 2

Toronto and National Policy in the 1980s.

John Sewell, Toronto. Convocation Hall. 8.15 p.m., doors open 7.30 p.m. (Royal Canadian Institute)

Sunday, February 3

The Idea of the State and the State of Israel.

Prof. Yeshayahu Leibowitz, Hebrew University, Jerusalem; first of three Joseph and Gertie Schwartz memorial lectures, "Current Issues in Jewish Life: A Non-Conformist View". Auditorium, Medical Sciences Building. 8 p.m.

Seminars

Monday, January 21

Stillwater runs deep.

Steve Barnes, Department of Geology. **Thar's gold in that thar flat Shield.** John Thompson, Department of Geology. 202 Mining Building. 4 p.m. (Geology and Toronto Geological Discussion Group)

Tuesday, January 22

Young Radicals and Independent Statehood: The Idea of a Ukrainian Nation-State, 1890-1895.

Prof. John-Paul Himka, University of Alberta. Room 111, 63 St. George St. 3 to 5 p.m. (Ukrainian Studies)

Fimbriae, Lectins, and Attachment Functions of Oral Actinomyces.

Prof. Richard Ellen, Faculty of Dentistry. 235 FitzGerald Building. 3.30 p.m. (Microbiology & Parasitology)

Superimposed Crustal Thinning and Crustal Thickening Associated with Displacements between Segments of Lithosphere in the Southeastern Canadian Cordillera.

Prof. Ray Price, Queen's University. 202 Mining Building. 4 p.m.

Intracerebral Neurotransmitters: A Radiopharmaceutical Approach.

Dr. E.S. Garnett, McMaster University Medical Centre. Main auditorium, Addiction Research Foundation, 33 Russell St. 5 p.m. (Pharmacy)

Modern Art: Contemporary Chaos?

Michael Snow, artist, film-maker, musician and photographer. South sitting room, Hart House. 8 p.m.

Thursday, January 24

The Ukrainian Elite of the 18th Century and Its Integration into the Russian Nobility.

Prof. Zenon Kohut, Michigan State University. 3050 Sidney Smith Hall. 3 to 5 p.m. (Ukrainian Studies)

Paleoenvironmental Studies near the Tree Line.

Prof. W.N. Irving, Department of Anthropology. 119 Wallberg Building. 4 p.m. (IES and Environmental Engineering)

Ethnic Studies.

Prof. Robert F. Harney, Ethnic & Immigration Studies Program, Upper Library, Massey College. 4 p.m.

One-Trial Learning in a Terrestrial Mollusc: Behavioural and Neurophysiological Aspects.

Prof. Alan Gelperin, Princeton University. 432 Ramsay Wright Zoological Laboratories. 4 p.m. (Zoology and SGS)

Friday, January 25

How Does Sugar Transport Work?

Prof. David Aikman, University of East Anglia. Room 7, Botany Building. 3.30 p.m.

Monday, January 28

Cultural Transference: Ukrainian Ethnicity in Canadian Literature.

Prof. Orest Rudzik, Department of English; second in winter-spring 1980 series, "The World of Ukrainian Learning at U of T". St. Vladimir's Institute, 620 Spadina Ave. 7.30 p.m. (Canadian Institute of Ukrainian Studies, Toronto Office, U of T; Ukrainian Professional & Business Club of Toronto, St. Vladimir Institute)

Tuesday, January 29

The Use of Cell Surface Antigens HLA in the Analysis of Somatic Cell Variants.

Prof. Donald Pious, University of Washington, Seattle. 417 Best Institute. 12.30 p.m. (BDDMR)

Chlamydiae — Clinical Expression of Disease and Biological Characteristics.

Prof. P.J. Middleton, Department of Microbiology & Parasitology and Dr. Martin Petric, Hospital for Sick Children. 235 FitzGerald Building. 3.30 p.m. (Microbiology & Parasitology)

Oil Toxicity to Algae: The Relationship between Hydrocarbon Structure and Toxicity.

Prof. T.C. Hutchinson, Department of Botany. S-309 Scarborough College. 4 p.m.

Wednesday, January 30

Asymmetrical Measurement of Residential Segregation.

Prof. Stanley Lieberman, University of Arizona; Claude Bissell distinguished visiting professor. Front conference room, Centre for Urban & Community Studies, 150 St. George St. 3.30 p.m.

Modern Art: Contemporary Chaos?

Prof. Kenneth Carpenter, York University and Sol Littman, art critic. Bickersteth Room, Hart House. 8 p.m.

Thursday, January 31

A Language for Office and Business Automation.

Moshe M. Zloof, IBM Thomas J. Watson Research Center, Yorktown Heights; computer systems seminar. 134 McLennan Physical Laboratories. 4 p.m. (Computer Science and SGS)

Shallow Marine Storm Deposits and Their Significance in Jura-Cretaceous Reservoirs in Western Canada.

Prof. Roger Walker, McMaster University. 202 Mining Building. 4 p.m.

Discovery and Development of Hydrocarbons in the Canadian Arctic.

J. Riddick, Polar Gas Project, Toronto. 119 Wallberg Building. 4 p.m. (IES and Environmental Engineering)

Arguments from Nature.

Prof. R.B. deSousa, Department of Philosophy. A-101 University College. 4 p.m. (Philosophy and SGS)

Cell-Cell Communication and Gap Junctions.

Prof. Norton B. Gilula, Rockefeller University, New York. 432 Ramsay Wright Zoological Laboratories. 4 p.m. (Zoology and SGS)

Friday, February 1

The Abstract Product Approach to Demand Analysis.

Prof. Brian Ratchford, State University of New York at Buffalo. Conference room 722, Management Studies, 246 Bloor St. W. 1 to 3 p.m.

Tuesday, February 5

Faith and Knowledge in Judaism.

Prof. Yeshayahu Leibowitz, Hebrew University, Jerusalem; first of two seminars, Joseph and Gertie Schwartz memorial lectures. Croft Chapter House, University College. 4 p.m.

Exploration for Diamonds in Southern Africa.

Prof. D.A. Pretorius, University of Johannesburg. 128 Mining Building. 4 p.m. (Please note room.)

Governing Council & Committees

Monday, January 21

Planning & Resources Committee. Council Chamber, Simcoe Hall. 4 p.m.

Wednesday, January 23

Curriculum & Standards Subcommittee.

Council Chamber, Simcoe Hall. 4 p.m.

Events

Meetings & conferences

Tuesday, January 22

Egypt.

University College Symposium Two, Jan. 22 to 25. All sessions will be held in West Hall, University College, unless otherwise indicated. Information and programs, Alumni office, 978-8746, or Prof. Peter Harris, 978-6926.

Tuesday, Jan. 22.

Before the Pyramids: The Development of Complex Society in Egypt. Winnifred Needler, ROM. 1.10 p.m.

Egyptian Beliefs in the Afterlife.

T.F. Miosi, Continuing Studies. 2.10 p.m.

The Literary Influence of Nefertiti.

Prof. Joachim Bielert, Erindale College. 3 p.m.

Exotic Themes in Opera. Prof. Gaynor Jones, Music. 3.30 p.m.

Verdi's *Aida*. Prof. O.M. Lee, Classics. 4.15 p.m.

U.C. Debating Society: "Be it resolved that Tutankhamun, once dead, became the best of his family." East Hall. 8 p.m.

Wednesday, Jan. 23.

Arab Identity: Who are the Arabs? and *Egypt: Struggle for Stability*. Films will be screened at International Student Centre. 12 noon.

Egyptian Archaeology: What's Left to Find? Prof. D.B. Redford, Near Eastern Studies. 1.10 p.m.

Why Are You Digging There and What Do You Expect to Find? Research Design and Redesign of the U of T's Wadi Tumilar Project. Prof. J.S. Holladay, Near Eastern Studies. 2.10 p.m.

Egypt and the Pythagoreans. Prof. Ian Winchester, OISE. 3.10 p.m.

Measurement of Time in Ancient Egypt. Prof. G.A. Kenney-Wallace, Chemistry. 3.50 p.m.

Egyptian Fractions. Prof. E.J. Barbeau, Mathematics. 4.15 p.m.

Egyptian Themes in Popular Film. Prof. Mark Freiman, English. (To be followed by screening of *The Mummy*.) 179 University College. 7.30 p.m.

Thursday, Jan. 24

The Sussex-Suez Connection: Wilfred Scawen Blunt as Egyptian Nationalist. Prof. J.D. Duffy, Innis College. 1.10 p.m.

Shakespeare's Egypt. Prof. A.M. Leggatt, English. 1.45 p.m.

Exotic Dancing: From *Little Egypt* to C.A.B.E. Prof. Kay Armatage, Women's Studies. 2.30 p.m.

King of Egypt, King of Dreams.

Gwendolyn MacEwen will read from her novel. 3.15 p.m.

Cabaret evening of Egyptian music and food. 8 p.m.

Friday, Jan. 25.

"Ruins to Ruins": Americans on the Nile, 1840-1900. Prof. Barry Hayne, English. 1.10 p.m.

Hon. Robert Curzon: Manuscript Hunting in Coptic Monasteries.

R.G. Landon, Fisher Library. 2 p.m.

Slow Death on the Nile: The "Egyptian Cross" Phenomenon in Detective Fiction. Joanne Harack Hayne, Continuing Studies. 2.40 p.m.

"Egypt Among the Poets": Selected Readings. Prof. Fergal Nolan, English. 3.30 p.m.

With Gun and Camera up the Nile.

Ann Hutchison, University College. 4.10 p.m.

Egypt and the Bicameral Mind. Prof. Julian Jaynes, Princeton University. 8 p.m. Tickets \$5, students \$2.50 available from U.C. Alumni Office, 978-6589.

Wednesday, January 23

The Classical Heritage of the Middle Ages.

Third annual Colloquium in Medieval Civilization, Scarborough College. All sessions will be held in the Council Chamber. Information and programs, Prof. Michael Gervers, 284-3182 or Charlotte Caton, 284-3243.

Wednesday, Jan. 23.

Echo and Narcissus: a selective study of the development of a myth from classical antiquity through the middle ages and

into the renaissance. Prof. John Warden, Scarborough College. 10.10 a.m.

Pervenimus Edessam: the origins of a great Christian centre outside the familiar medieval world. Prof. D.J. Lane, Trinity College. 11.10 a.m.

Bacchus, Venus and Cupid in late antiquity and the early middle ages.

John Hayes, ROM. 12.10 p.m.

The debt of medieval science to antiquity.

Prof. J.A. Weisheipl, Pontifical Institute of Mediaeval Studies. 2.10 p.m.

Greek elements in the medieval liturgy.

Prof. B.M. Kaczynski, McMaster University. 3.10 p.m.

Ancient Roman mass *ordines*: their use and transformation in Carolingian times.

Prof. Roger Reynolds, Pontifical Institute of Mediaeval Studies. 4.10 p.m.

Reception sponsored by Scarborough

College History Association. Faculty

Lounge, 5 p.m.

Thursday, Jan. 24

Giovanni Boccaccio: preparing to write the *Decameron*. Prof. Dennis McAuliffe, Scarborough College. 10.10 a.m.

Wulfstan and the early medieval understanding of the classical *ars rhetorica*.

Prof. Michael Cummings, York University. 11.10 a.m.

Rome and the early Germans: some sociolinguistic observations. Prof. H.A. Roe, Centre for Medieval Studies. 2.10 p.m.

Ireland and the classics: the evidence.

Prof. Michael Herren, York University. 3.10 p.m.

A Goliard witness: the marriage of learning and eloquence from Martianus Capella. Prof. E.A. Synan, Pontifical Institute of Mediaeval Studies. 4.10 p.m.

Friday, Jan. 25.

The Carolingian miniatures and the text of Terence in antiquity. Prof. John Grant, Scarborough College. 10.10 a.m.

Ambrogio Lorenzetti and classical painting. Prof. Mary Edwards, Columbia University. 11.10 a.m.

The Pauline fresco cycle in San Paolo fuori le mura in Rome: early Christian or late medieval? Prof. Luba Eleen, Erindale College. 12.10 p.m.

Animals in classical and medieval art.

Prof. S.D. Campbell, Pontifical Institute of Mediaeval Studies. 2.10 p.m.

Parthia: a possible medium for the transfer of classical imagery to the late antique world. E.J. Keall, ROM. 3.10 p.m.

Some late antique precursors of medieval evangelist portraits. Prof. Elisabeth Alföldi, Department of Fine Art. 4.10 p.m.

Saturday, January 26

Field of Discourse: Theory and Application.

Profs. J.D. Benson and W.S. Greaves, York University; fourth meeting of Toronto Semiotic Circle for 1979-80.

205 New Academic Building, Victoria College. 10.30 a.m.

Tuesday, January 29

Colonialism, Nationalism and the Literary Imagination.

Colloquium to be held in R-3103 Scarborough College, 9 a.m. to 12 noon and 1 to 3 p.m.

The Change of the Gentle Voice: Australia and the West Indies. Prof. W.J. Howard, Scarborough College.

Ideology and Form. The Concept of Liberation in Contemporary African Literature. Prof. Fred I. Case, New College.

I can't say who I am — unless you agree I'm real: Developing the Black Theatre. Leslie Sanders, University College and York University.

Troubled with European visions: The Old World vs. the New in the literary nationalism of the early United States.

Prof. A.N. Sheps, Scarborough College. Oedipus—Telemachus, Adam—Noah, American—Canadian: National Fictions and Culture Heroes. Prof. Russell Brown, Scarborough College.

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Colloquia

Monday, January 21

Entrepreneurship at the Colleges.

Fourth program in Higher Education Colloquium 79/80, "The Year of the C.A.A.T."; speakers: W.T. Newnham, Seneca College; R.H. Noble, formerly Humber College; Gordon Willey, Durham College; chairman, John Koski, Cambrian College. Series designed to provide forum to discuss the colleges' role in Ontario post-secondary education and clarify and discuss issues facing them; each speaker will make presentation, general discussion will follow.

Board room, 12th floor, OISE, 252 Bloor St. W. 4 to 6 p.m.

(Higher Education Group)

Films

Tuesday, January 22

The Back Stairs.

Silent film (1921) directed by Paul Leni; third in series. "German Film Directors in Hollywood". 179 University College. 7.30 p.m.

(UC, Germanic Languages & Literatures, Cinema Studies, U of T; Goethe Institute Toronto and Ontario Film Institute)

Wednesday, January 23

Arab Identity: Who are the Arabs? Egypt — Struggle for Stability.

First program of nine in series, "Cultures"; continuation of fall series showing aspects of cultures of world's peoples. International Student Centre. Two screenings, 12 noon and 1 p.m.

(Community Relations and ISC)

Shoot the Piano Player.

Truffaut's film in French with English subtitles. S-128 Scarborough College. 4 p.m.

You Only Live Once.

Directed by Fritz Lang (1937); fourth in series, "German Film Directors in Hollywood". Ontario Film Theatre, Ontario Science Centre, 770 Don Mills Road. 7.30 p.m. Admission to Centre \$2, students \$1.

(UC, Germanic Languages & Literatures,

Wednesday, January 23

Preparation of Cyclobutanols and Benzocyclobutenols by Intramolecular Opening of Epoxides.

Prof. Tony Durst, University of Ottawa. 428 Lash Miller Chemical Laboratories. 3.30 p.m.

Thursday, January 24

A New Theory of Gravitation.

Prof. John W. Moffat, Department of Physics. 102 McLennan Physical Laboratories. 4.10 p.m.

(Physics and SGS)

Thursday, January 31

The Metal-Insulator Transition in Systems of Reduced Dimensionality.

R.C. Dynes, Bell Telephone Laboratories, Murray Hill, N.J. 102 McLennan Physical Laboratories. 4.10 p.m.

(Physics and SGS)

Cinema Studies, U of T; Goethe Institute Toronto and Ontario Film Institute)

Tuesday, January 29

Liebelel.

Directed by Max Ophuls (1932); fifth in series, "German Film Directors in Hollywood". 179 University College. 7.30 p.m.

(UC, Germanic Languages & Literatures, Cinema Studies, U of T; Goethe Institute Toronto and Ontario Film Institute)

Wednesday, January 30

Germany.

Second program of nine in series, "Cultures"; continuation of fall series showing aspects of cultures of world's peoples. International Student Centre. Two screenings, 12 noon and 1 p.m.

(Community Relations and ISC)

Hangover Square.

Directed by John (Hans) Brahm (1945); sixth in series, "German Film Directors in Hollywood". Ontario Film Theatre, Ontario Science Centre, 770 Don Mills Road. 7.30 p.m. Admission to Centre \$2, students \$1.

(UC, Germanic Languages & Literatures, Cinema Studies, U of T; Goethe Institute Toronto and Ontario Film Institute)

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Events

Miscellany

Tuesday, January 22

Faith and Works (Paul vs James?).
Informal discussion series, "Facets of Faith". South sitting room, Hart House. 1 to 2 p.m.

Basketball.

Men's Blues vs York. Benson Sports Gym. 8.15 p.m. Admission \$2.

Book Sale.

U of T Bookroom in University College during UC symposium, "Egypt". Jan. 22 to 25.

Wednesday, January 23

Basketball.

Lady Blues vs York, exhibition game. Benson Sports Gym. 6.15 p.m. Admission \$2.

Monday, January 28

Book Sale.

Meeting Place Gallery, Scarborough College. Jan. 28 to 30.
Sale hours: Monday, 11 a.m. to 1 p.m. and 5 to 7 p.m.; Tuesday and Wednesday, 12 noon to 2 p.m. and 5 to 7 p.m.

Tuesday, January 29

Faith and Corporate Worship (The Fuel of Faith).

Informal discussion series, "Facets of Faith". Guest, Rev. Harold Nahabedian. South sitting room, Hart House. 1 to 2 p.m.

Wednesday, January 30

Hockey.

Men's Blues vs Western. Varsity Arena. 7 p.m. Information and ticket prices, 978-3437 or 978-4112.

Friday, February 1

Hockey.

Lady Blues vs Queen's. Varsity Arena. 4 p.m.
Men's Blues vs Laurier. Varsity Arena. 7 p.m.
Information and ticket prices, 978-3437 or 978-4112.

Saturday, February 2

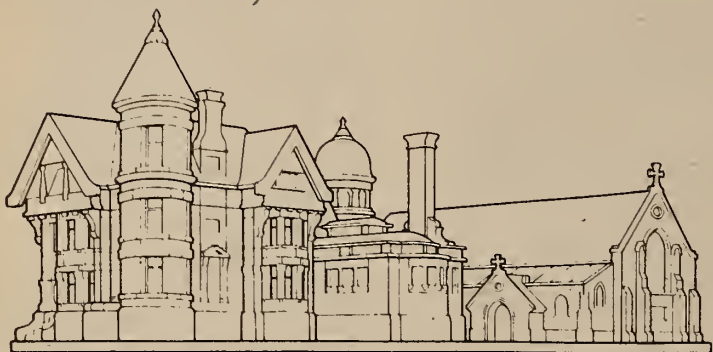
Basketball.

Lady Blues vs McMaster, exhibition game. 12.15 p.m.
Men's Blues vs Ottawa. 2.15 p.m. Benson Sports Gym. (Double header)
Admission \$2.

Sunday, February 3

The Maltese in Canada.

Historical Perspective, George Bonavia, Employment & Immigration Canada; Sociological Perspective, Godwin Darmanin, Metro Separate School Board; Economic Perspective, Joseph LaFerla, economist, Government of Ontario; moderator, Prof. Dionisius Agius, Department of Middle East & Islamic Studies and president, Society for Mediterranean Studies.
Room 205, Faculty of Library Science, 140 St. George St. 7 p.m. Information, 978-6564.
(Society for Mediterranean Studies, Community Relations and Ethnic & Immigration Studies)



THE NEWMAN CENTRE

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A WEEK IN THE LIFE OF THE NEWMAN COMMUNITY

WEEKDAYS:

Morning Prayer: 8:30 a.m. in White Room
Liturgy: 12:10 and 4:30 p.m.
Evening Prayer: after 4:30 Mass

SATURDAY: 5:00 p.m. Sunday Liturgy

SUNDAY:

Liturgy: 10:00 a.m.; 12:00 noon; 7:00 p.m.

Children's catechetical program during the 10:00 a.m. liturgy.
Children's liturgy celebrated regularly.

8:00 p.m.: Elbow Room Coffee House — relax and enjoy coffee, hot cider and good folk music.

MONDAY:

7:30 p.m.: Tai Chi — an ancient form of Chinese exercises. All age groups can practise these non-strenuous, soft, flowing and relaxing movements to regain natural health and remain in good physical condition.

8:00 p.m. Discovery Theatre — a forum for adult inquiry through reading and

discussion. Two discussion topics:

1. Self-Transcendence
2. Living Well/The Profound Intention

Contact person: Therese Mason 233-4301

TUESDAY:

5:30 p.m.: Liturgy in White Room followed by a time of sharing: a meal, talents and interests with other members of the Newman community. Cost of supper \$2.00.

WEDNESDAY:

8:00 p.m.: January 23, 30, February 6, 13: Introduction to The History of The Catholic Church.

8:00 p.m.: An Alumnae Series: Vatican II — After 15 Years.

February 27: The Liturgy: The Opening of Pandora's Box — is it closing?

March 5: Collegiality: Emerging Roles of Bishops, Priests and Laity.

March 12: Vatican II and Human Rights.

March 26: John Paul II — A New Stage in The Implementation of Vatican II.

THURSDAY:

8:00 p.m.: Recycling Catholics: An Exercise

in Renewal: something to jog our faith.

A 7-week series: January 17, 24, 31, February 7, 14, 28, March 6.

8:00 p.m.: Discovery Theatre — discussion topic: Bio-ethics.

8:00 p.m.: The Church in the Modern World: Views of the Role of the Church in Different Parts of the World (talk, slides, discussion)

March 13: China and the Kingdom of God — Rev. W. Ryan S.J.

March 20: Sharing The Faith in Canada — Bishop R. Clune

March 27: The Church in The Developing Countries — S.F.M. resource

FRIDAY:

8:00 p.m. Un-Pub night: free films 'Golden Oldies' and popcorn; cards; conversation; coffee.

Newman dances are usually held on Friday nights; dates will be announced.

First dance: Jan. 25, 8:30 p.m. \$3.00

MONDAY — FRIDAY:

10:00 — 3:00 p.m.: LUNCH PROGRAM — enjoy good food, low cost and friendly atmosphere.

YEAR ROUND AT NEWMAN

- marriage preparation counselling
- instruction in the Catholic faith
- personal counselling
- spiritual direction

THINGS TO COME

Engaged Encounter Weekends: contact person: Fr. Art Roberts 979-2468

Marriage Preparation Course: in early March (dates to be announced) contact the Newman Centre: 979-2468

Retreats: March 7 - 9 — a weekend retreat: a planning group will be formed to arrange

theme, dates, place and costs.

First Friday of each month: quiet time in Chapel for reflection and prayer.

Catechumenate Program: for people seeking baptism and entrance into the Catholic Church. Contact person Fr. David Katulski 979-2468.

Lenten prayer service: each Wednesday during Lent — 10:00 p.m. in Chapel.

If you are interested in a day of recollection for University faculty members, please contact Fr. R. Madden, C.S.B., 979-2468.

Concerts

Monday, January 21

Latin-American Singers and Dancers.

R-3103 Scarborough College. 3 p.m.

Ukrainian Instrumental Folk Music.

Raissa Cipywnyk; first in series of five lecture-demonstrations, "Music of the world's peoples". 116 Edward Johnson Building. 8 p.m. Information, 978-6564. (Music, FEUT, Community Relations, East Asian Studies and South Asian Studies)

Tuesday, January 22

Marc Destrube, Violin.

Afternoon classical. Music Room, Hart House. 1.10 p.m.

Wednesday, January 23

Jim Crocini, Folk.

Wednesday afternoon pop. East Common Room, Hart House. 12 noon to 2 p.m.

Thursday, January 24

Student Chamber Music Concert.

Walter Hall, Edward Johnson Building. 2.10 p.m.

Saturday, January 26

U of T Symphony Orchestra.

Conductor Victor Feldbrill. Program: Mozart's Sinfonia Concertante with soloists David Sussman, oboe; Richard Hornsby, clarinet; Peter Hatch, bassoon and Derek Conrod, French horn; Mahler's Symphony No. 1. MacMillan Theatre, Edward Johnson Building. 8 p.m.

Tickets \$3, students and senior citizens \$1.50. Information, 978-3744.

Sunday, January 27

U of T Wind Symphony.

Conductor Christopher Weait. Program includes works by Francis Chan (Canadian premiere), Mendelssohn and Weinzwieg. MacMillan Theatre, Edward Johnson Building. 3 p.m. Information, 978-3744.

Dvořák Festival.

Quartet Canada; fifth of seven concerts devoted to music of Czech composer and featuring internationally acclaimed performers, presented in co-operation with CBC Radio. MacMillan Theatre, Edward Johnson Building. 8 p.m. Tickets \$6, students and senior citizens \$3. Information, 978-3744.

Monday, January 28

Scarborough College Choral Group.

Meeting Place, Scarborough College. 1 p.m.

Los Companeros.

Meeting Place, Scarborough College. 3.15 p.m.

Events

Concerts

Tuesday, January 29
Chamber Music of Dennis Patrick and Bruce Pennycook.
 Walter Hall, Edward Johnson Building.
 8 p.m. Information, 978-3744.

Wednesday, January 30
Marie Lynn Hammond and Friends.
 Wednesday afternoon pop, folk and blues. East Common Room, Hart House.
 12 noon to 2 p.m.

Heather Price, Piano.
 Noon hour concert, program includes works by Mozart and Brahms. Concert Hall, Royal Conservatory of Music.
 12.15 p.m. Information, 978-3771.

Trio Concert.
 Music Wednesday night, Norman E. Brown, baritone, and friends. Music Room, Hart House. 8.30 p.m.

Thursday, January 31
William Aïde, Piano.
 R-3103 Scarborough College. 12 noon.

Anne Marie Kopp, Flute.
 Afternoon classical. Music Room, Hart House. 1.10 p.m.

The Piano Works of Gabriel Fauré.
 Prof. Jean Paul Sevilla, University of Ottawa. Walter Hall, Edward Johnson Building. 2.10 p.m.

Friday, February 1
The Legendary Sorabji, Monstrum Musicum.
 Prof. Paul Rapoport, McMaster University. Walter Hall, Edward Johnson

Building. 8 p.m.
 Admission \$1 at door, free to New Music subscribers. Information, 978-3744.

Sunday, February 3
In Praise of Healey Willan.
 Intervarsity choral festival; choirs of Hart House, McMaster University, Queen's University and University of Western Ontario. Conductors: Prof. Denise Narcisse-Mair, Hart House and combined choirs; Wayne Strongman, McMaster; Brian Strachan, Western; F.R.C. Clarke, who has completed two of Willan's unfinished works, will conduct Queen's for first Toronto performances of these. Gallery Choir of St. Mary Magdalene Church, where Willan was organist and director of music for many years, will join intervarsity choirs for "The Apostrophe to the Heavenly Hosts". Adjudicator, Robert Bell; organist, John Tuttle. St. Paul's Church, Bloor St. E. at Jarvis. 3.30 p.m. Tickets \$2, students and senior citizens \$1. Information, 978-2436.

Dvořák Festival.
 Orford Quartet with Anton Kuerti, piano; sixth of seven concerts devoted to music of Czech composer and featuring internationally acclaimed performers, presented in co-operation with CBC Radio. Walter Hall, Edward Johnson Building. 8 p.m.
 Tickets \$6, students and senior citizens \$3. Information, 978-3744.
 (Please note place.)

Plays & Readings

Monday, January 21
P.K. Page.
 Will read her own work. Second in spring program, Poetry Readings at UC series for 1979-80. Walden Room, University College Students' Union, 79 St. George St. 4.10 p.m.
 (Please note: Callaghan reading cancelled.)

Wednesday, January 23
Much Ado About Nothing.
 Shakespeare's Sicilian comedy of love, lies, virtue, and the reluctant wooing of Beatrice and Benedick. Third of five productions for Drama Centre's 1980 Studio Theatre season. Studio Theatre, Glen Morris St. Jan. 23 to 26 and Jan. 30 to Feb. 2 at 8 p.m.
 Admission \$1. Information, 978-8668.

Monday, January 28
Doughty.
 Prof. Barker Fairley will read Doughty. Third in spring program, Poetry Readings at UC series for 1979-80. Walden Room, University College Students' Union. 4.10 p.m.

Thursday, January 31
Theatre of the Absurd.
The Lesson by Eugene Ionesco and *The Hole* by N.F. Simpson. Studio 1, Scarborough College. Jan. 31 to Feb. 2 at 8 p.m. Information, 284-3126.

Monday, February 4
Byron.
 Prof. Milton Wilson, Department of English, will read Byron's poems and letters. Fourth in spring program, Poetry Readings at UC series for 1979-80. Walden Room, University College Students' Union. 4.10 p.m.

Wednesday, February 6
The Joker of Seville.
 By Derek Walcott, musical score by Galt MacDermot, directed by Paula Spardakos; modern adaptation of classic Spanish comedy of legend of Don Juan recreated for the New World. Last of three productions for Drama Centre 1980 Hart House season. Hart House Theatre. Feb. 6 to 9 and 13 to 16 at 8 p.m.
 Tickets \$5, students and senior citizens \$2.50. Information, 978-8668.

Exhibitions

Monday, January 21
Tedious Chores.
 Sculptures by Clarissa Inglis. Concurrent shows at Hart House Gallery and Meeting Place Gallery, Scarborough College. To Jan 25.
 Gallery hours:
 Hart House: Monday, 11 a.m. to 9 p.m.; Tuesday-Saturday, 11 a.m. to 5 p.m.; Sunday, 2 to 5 p.m.
 Scarborough: Monday-Thursday, 9 a.m. to 7 p.m.; Friday, 9 a.m. to 5 p.m.; Sunday, 2 to 5 p.m.

Papyri.
 Exhibition at Thomas Fisher Rare Book Library to complement University College Symposium, "Egypt". To Feb. 29.

... Infinite Variety.
 Egypt and the Arts exhibition at Robarts Library to complement University College Symposium, "Egypt". To Feb. 15.

Arts' Sake Inc. Faculty Exhibition.
 Works by Burton, Blazeje, Cliff, Coughtry, Lywood, Mendes, Rayner, Pugen, Markle, Van Damme. Innis College. To Feb. 16.
 Hours: 10 a.m. to 4 p.m.

Classified

A classified ad costs \$5 for up to 35 words and \$.25 for each additional word. Your name counts as one word as does your phone number, but the components of your address will each be counted as a word.

A cheque or money order payable to University of Toronto must accompany your ad.

Ads must be submitted in writing, 10 days before *Bulletin* publication date, to Marion de Courcy-Ireland, Information Services, 45 Willcocks St. Ads will not be accepted over the phone.

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Position vacancy: Research officer, *Qualifications:* B.A. (Psychology) + Diploma in Child Study; education in and experience with infants; \$13,996/yr.; available April 1; 978-2860.

For Sale: Two vacant cottage lots in Prince Edward Island. One-third acre each, near the Ocean, north or south shore. Approxm. \$2,500.00 each. For more information contact Wolfgang Arnold at 828-5346 during day or 826-2689 evenings.

Wanted — reasonably priced upright piano in good condition. Days, call 978-4698. After 5 p.m., 964-9023.

Thursday, January 24
Photographic Show.
 Photographic work by students in the Department of Landscape Architecture. Galleries, School of Architecture and Department of Landscape Architecture, 230 College St. To Feb. 8.
 Gallery hours: Monday-Friday, 9 a.m. to 7 p.m.

Tuesday, January 29
City Life.
 The urban scene observed by young Quebec representational artists. Hart House Gallery. To Feb. 22.
 Gallery hours: Monday, 11 a.m. to 9 p.m.; Tuesday-Saturday, 11 a.m. to 5 p.m.; Sunday, 2 to 5 p.m.



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Recent academic appointments

At the Jan. 10 meeting of the Academic Affairs Committee, the following academic appointments were confirmed:

- Professor Allan Borodin, Department of Computer Science, chairman, from July 1, 1980 to June 30, 1985; Professor E.J. Revell, Department of Near Eastern Studies, chairman, from July 1, 1980 to June 30, 1985; Professor L.J. Elmer, Department of Religious Studies, chairman, from July 1, 1980 to June 30, 1985 (extended); and Professor Lubomir Dolezel, Department of Slavic Languages & Literatures, chairman, from Jan. 1, 1980 to June 30, 1983;
- Professors J.W. Fair and J.W. Greig, Faculty of Education, assistant deans, from Feb. 1, 1980 to Dec. 31, 1982;
- Professor R.W. MacKay, Department of Sociology, registrar, University College, from July 1980 to June 30, 1983;
- Professors Paul Dion, Department of Near Eastern Studies; and D.P.H. Allen, Department of Philosophy, associate professors with tenure, from July 1, 1980.

Preventive Medicine search committee

A search committee has been established to recommend a chairman of the Department of Preventive Medicine & Biostatistics to succeed Dr. R.W. Osborn, effective July 1, 1980.

The membership of the committee is: Dr. J.E.F. Hastings, associate dean (community health), Faculty of Medicine, *chairman*; Dr. Eugene Vayda, Department of Health Administration; Dr. Stephen Griew, Department of Behavioural Sciences; Dr. A.H. Little, Department of Medicine; Professor David Hewitt, Department of Preventive Medicine & Biostatistics; Dr. John Hilditch, Department of Family & Community Medicine; Professor M.J. Ashley, Department of Preventive Medicine & Biostatistics; and Professor A.M. Zimmerman, School of Graduate Studies.

The committee welcomes suggestions and these may be submitted, preferably in writing, to the chairman or to any member of the committee.

Faculty position in Electrical Engineering

The Department of Electrical Engineering has an opening for an assistant professor for a one-year contractually-limited or visiting appointment. Qualifications required are a PhD in either communications or control, with an interest in and some familiarity with the other sub-discipline. Knowledge of current mini- and microprocessor technology in the field would be a decided asset. Duties to commence on July 1, 1980, will be primarily undergraduate teaching, including laboratory teaching, but will be such as to permit full participation in the research program of the appropriate group in the department. Applications should be directed to Professor K.C. Smith, chairman, Department of Electrical Engineering, by January 31.

Department of Chemistry A.R. Gordon lecture series 1980

This year's A.R. Gordon Distinguished Lecturer is Professor Günther Wilke from the Max-Planck Institute for Coal Research in Mulheim, Germany. Professor Wilke is director of the institute, having succeeded Professor Karl Ziegler in 1969. His research interests have been primarily concerned with the role of organometallic compounds in catalysis and his lectures will be related to this general theme. (See Events, page 12.)

Members of other departments who might be interested in meeting Professor Wilke for discussion of work of mutual interest are invited to call Professor J.C. Thompson in the chemistry department at 978-3566 so that appointments can be made.